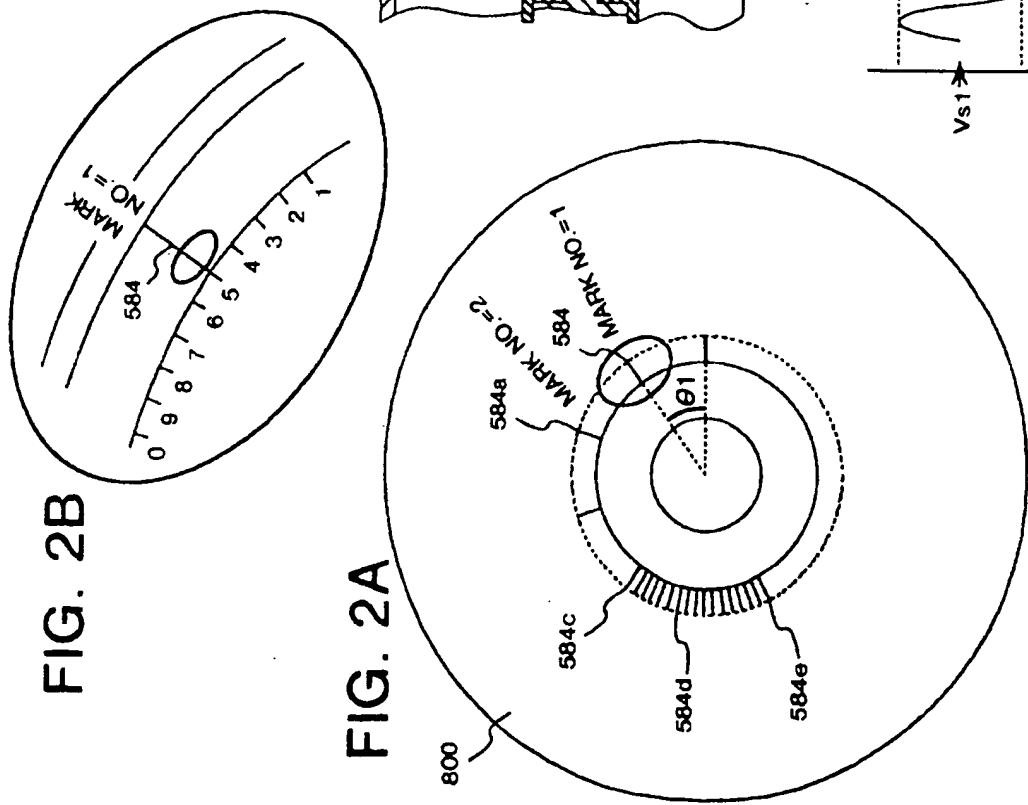
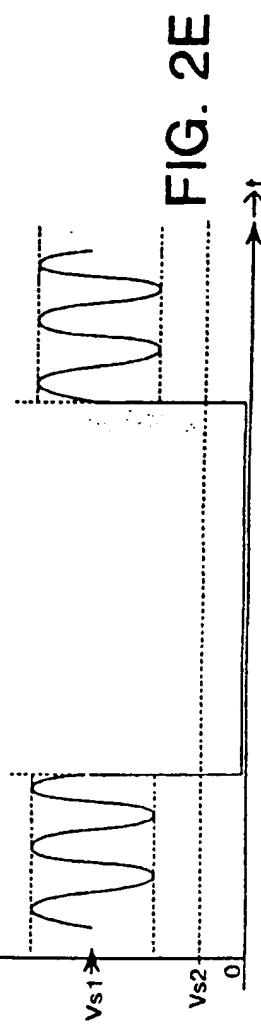
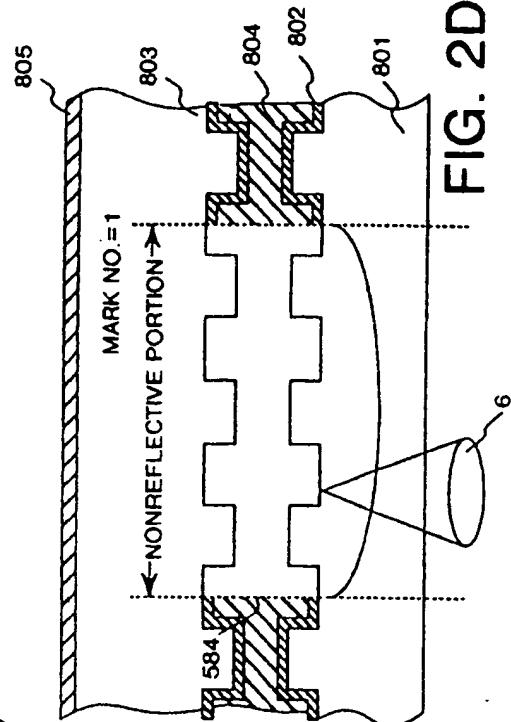
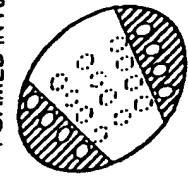


FIG.



NONREFLECTIVE PITS ARE
FORMED IN RADIAL DIRECTION

FIG. 2C



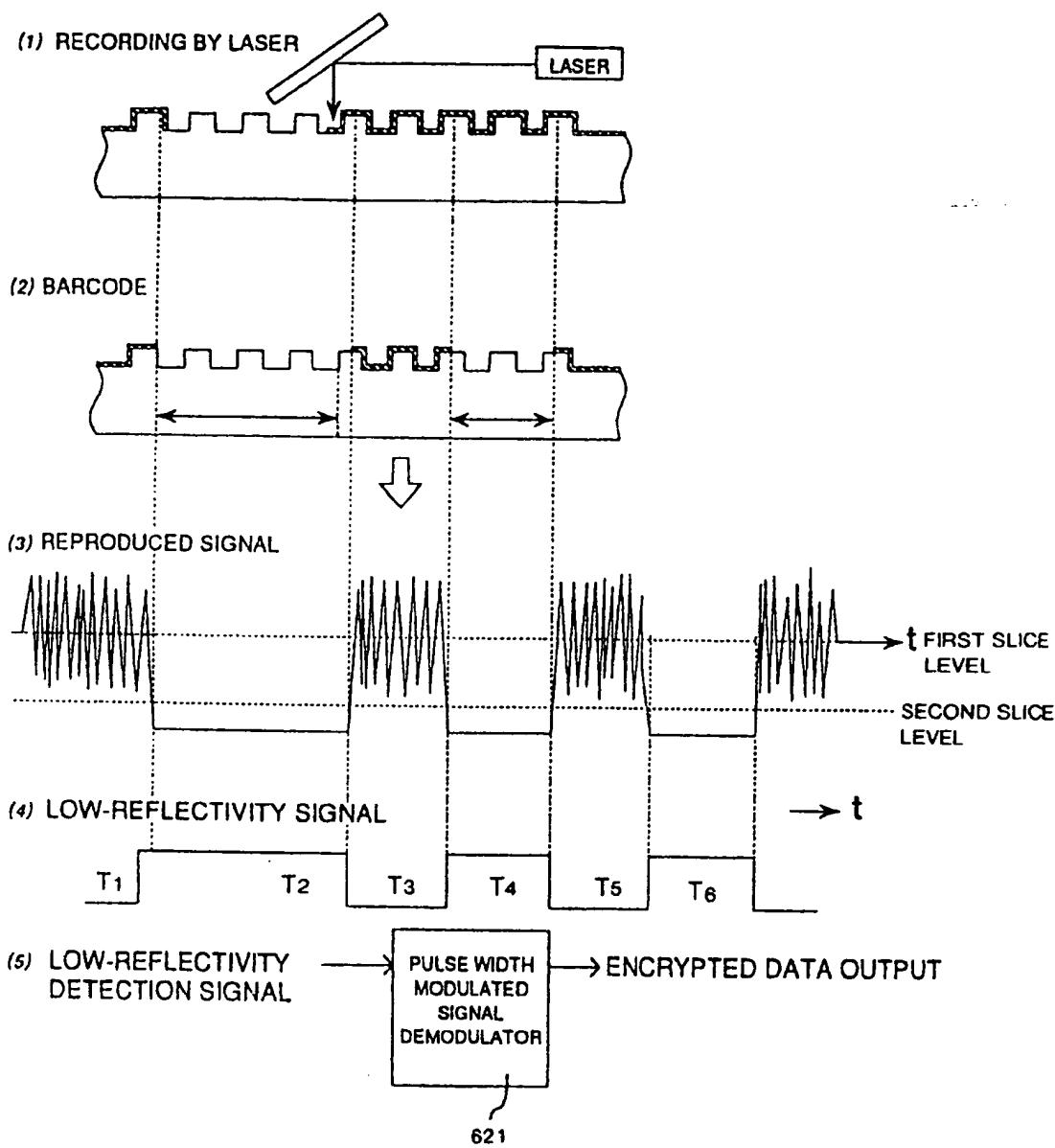


FIG. 3

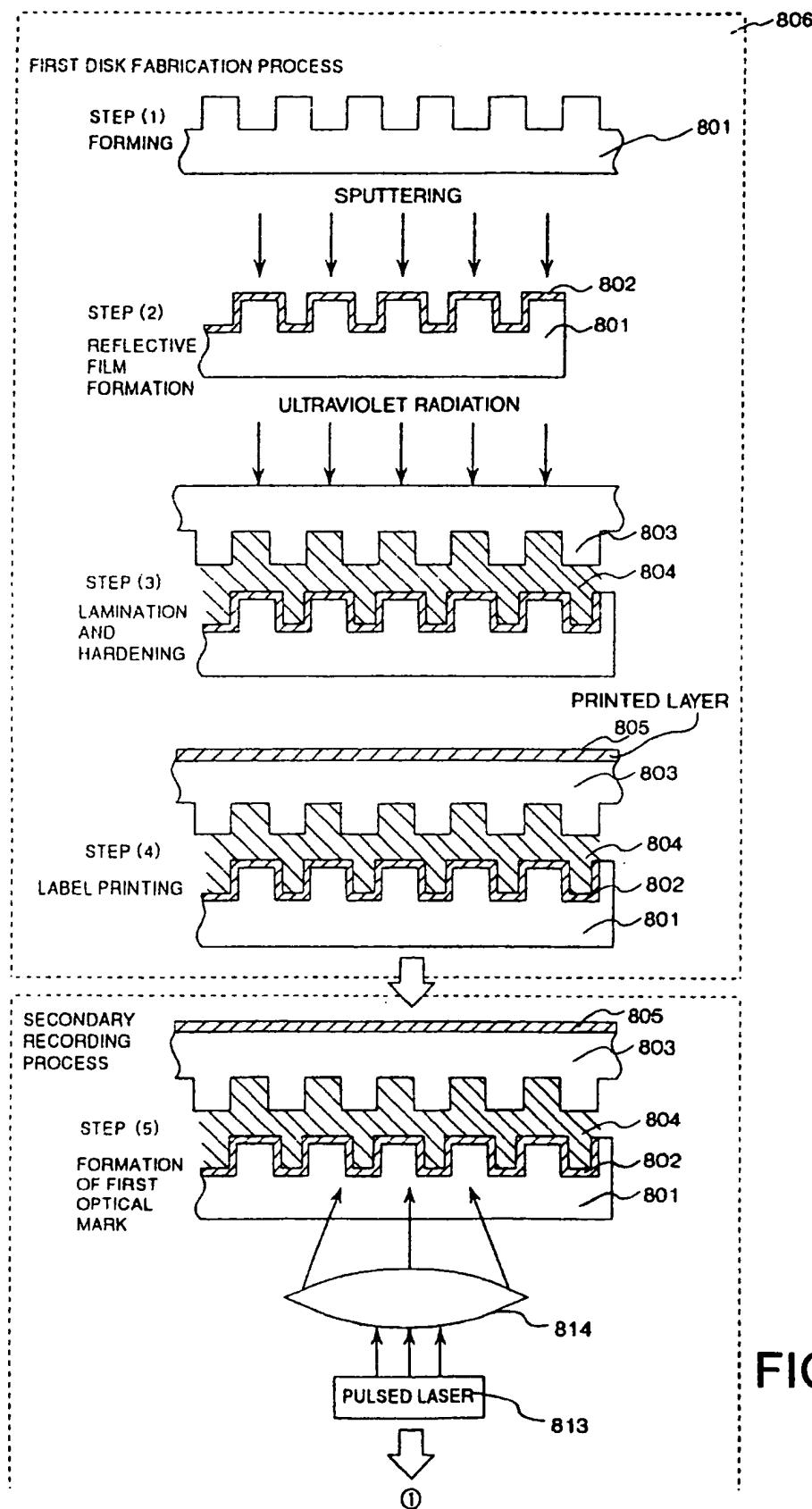
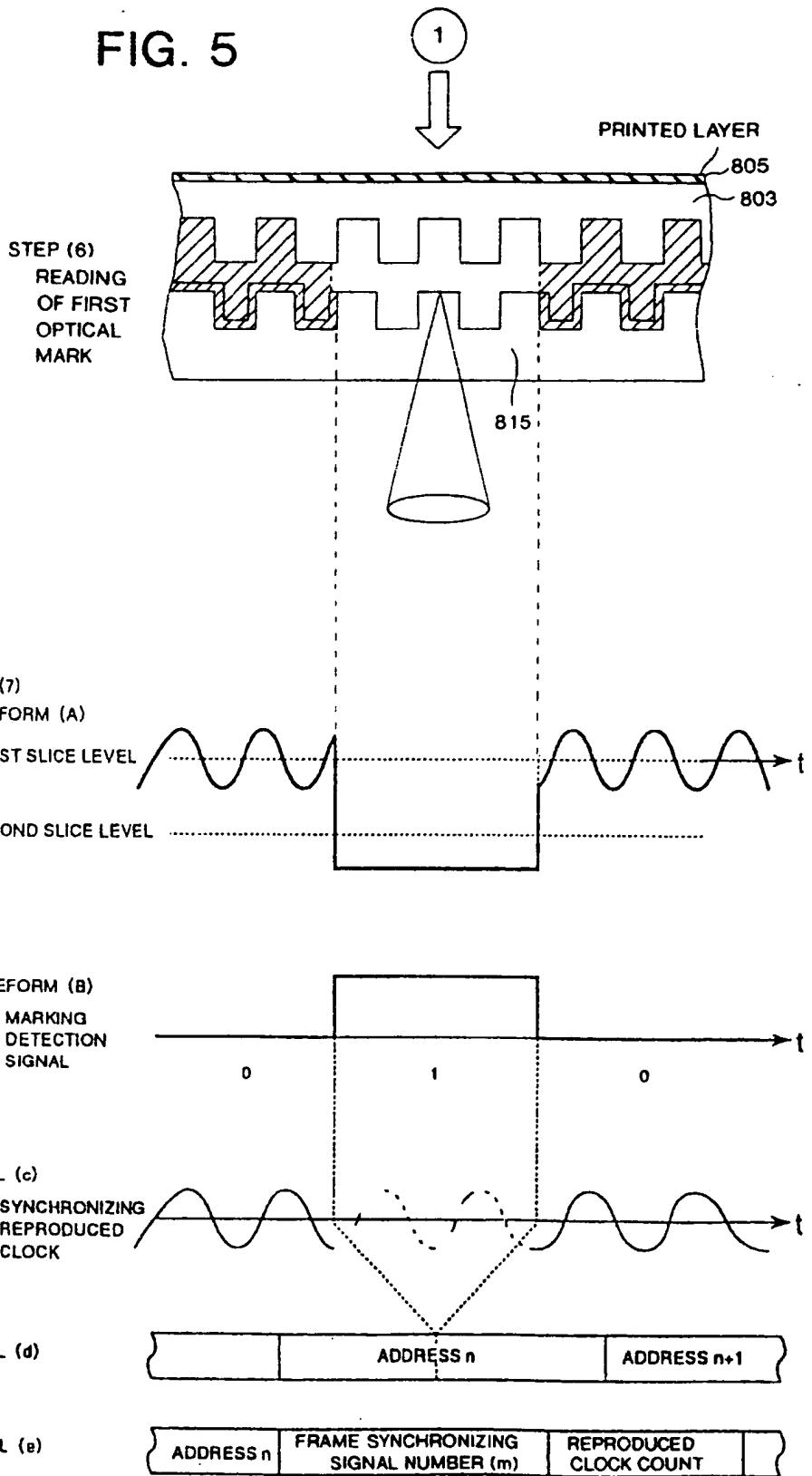


FIG. 4

FIG. 5



100312965 - 3200204

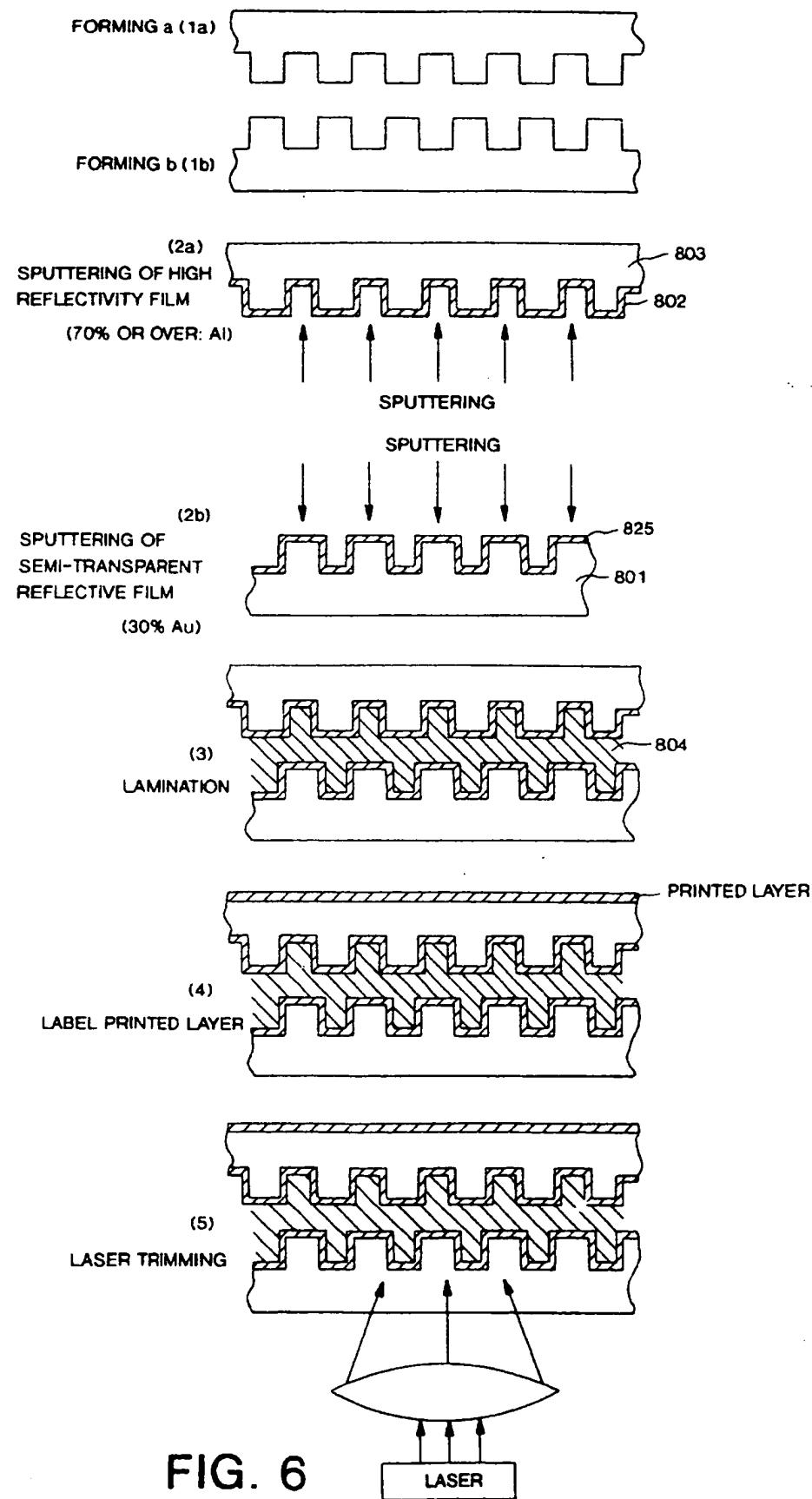


FIG. 6

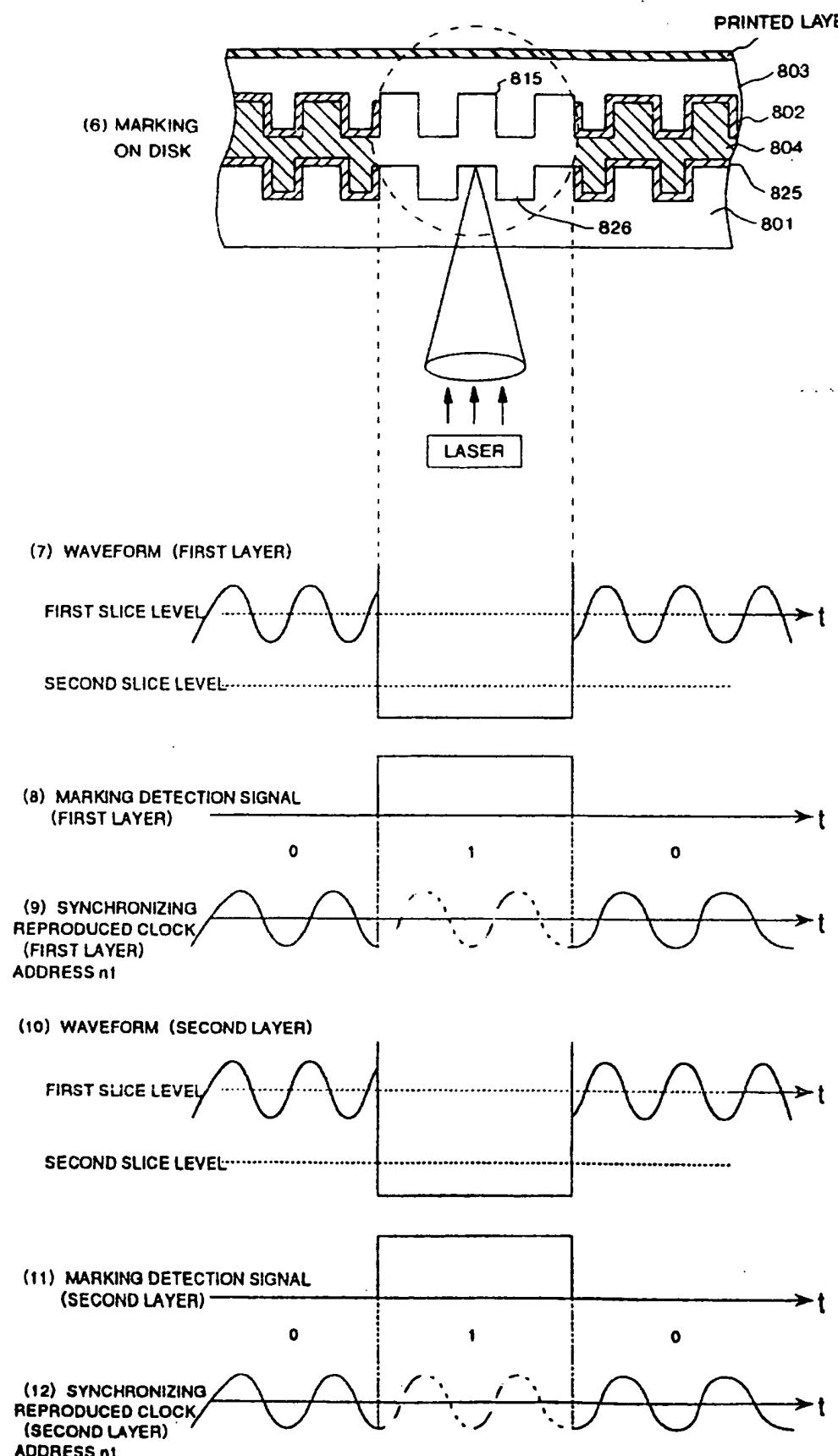


FIG. 7

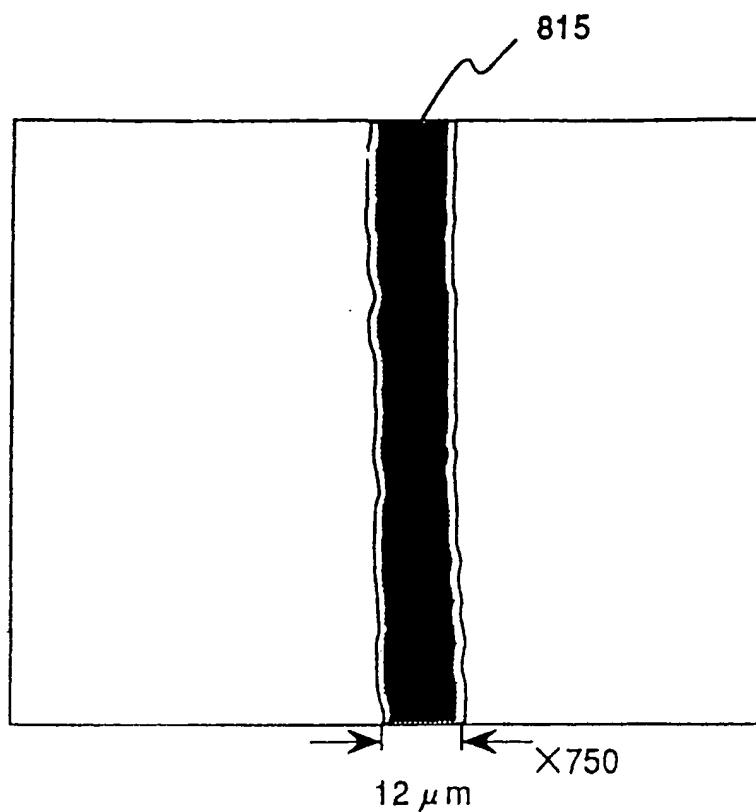


FIG. 8A

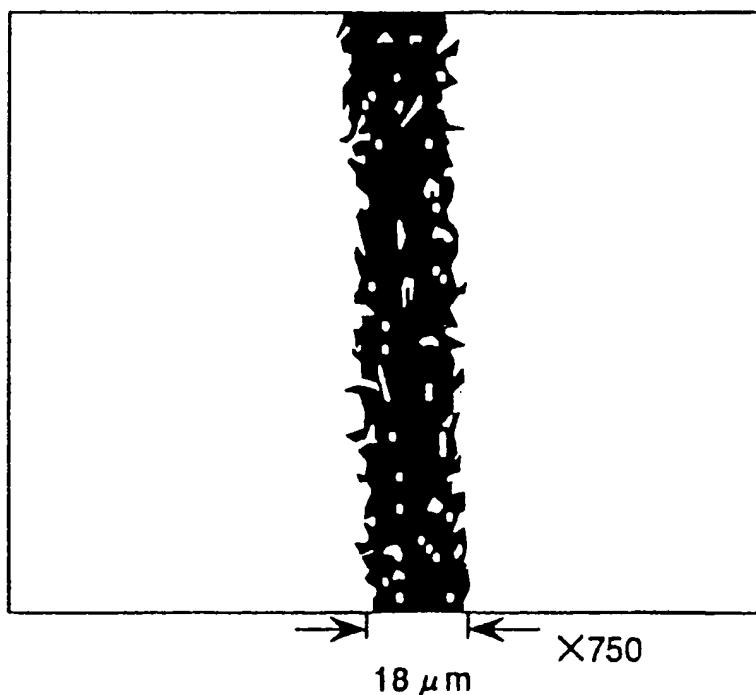
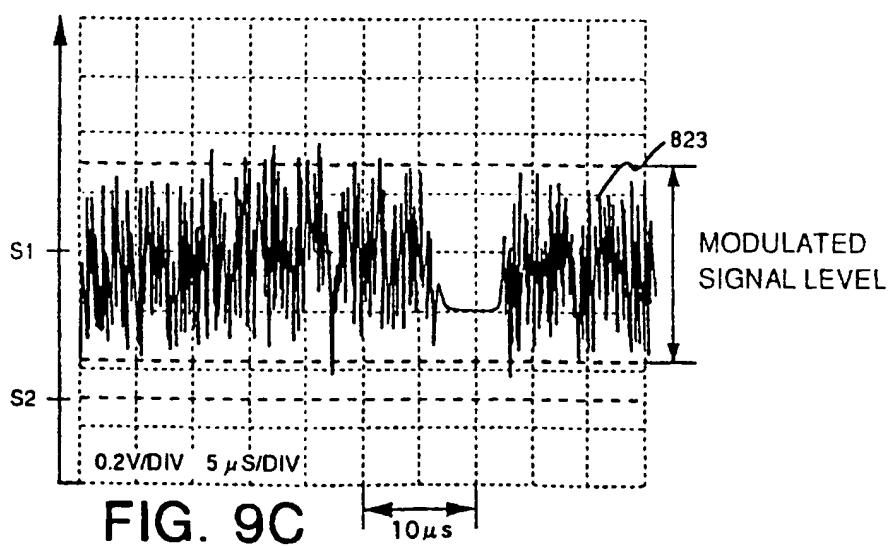
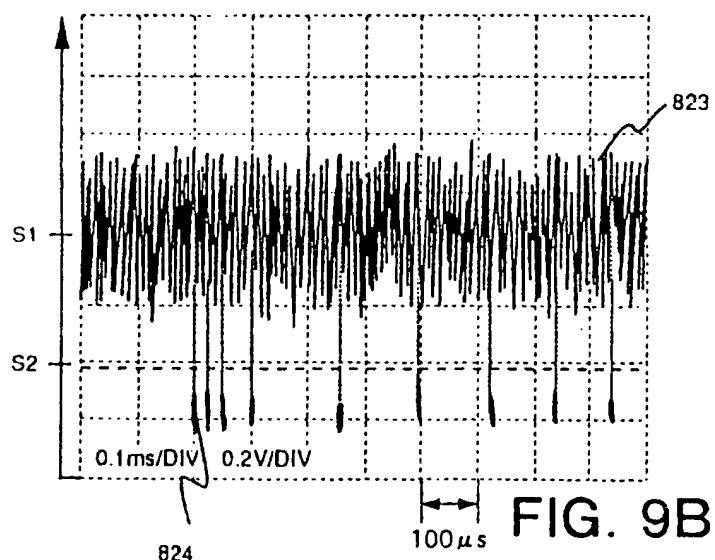
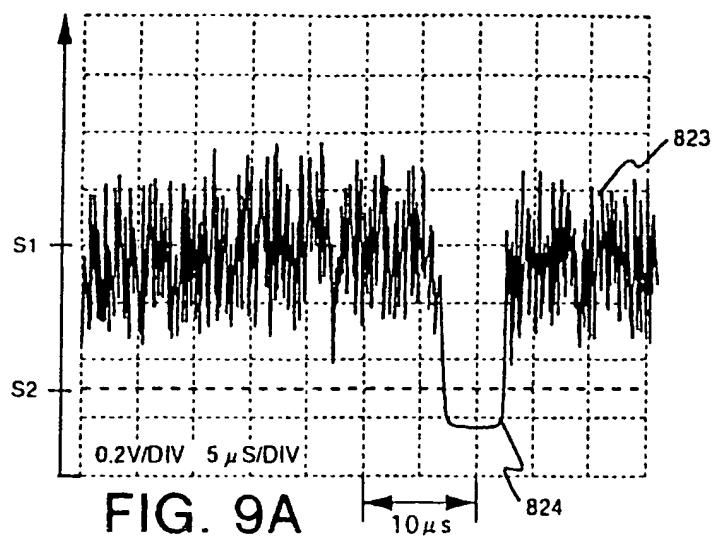


FIG. 8B



100112966 11260204

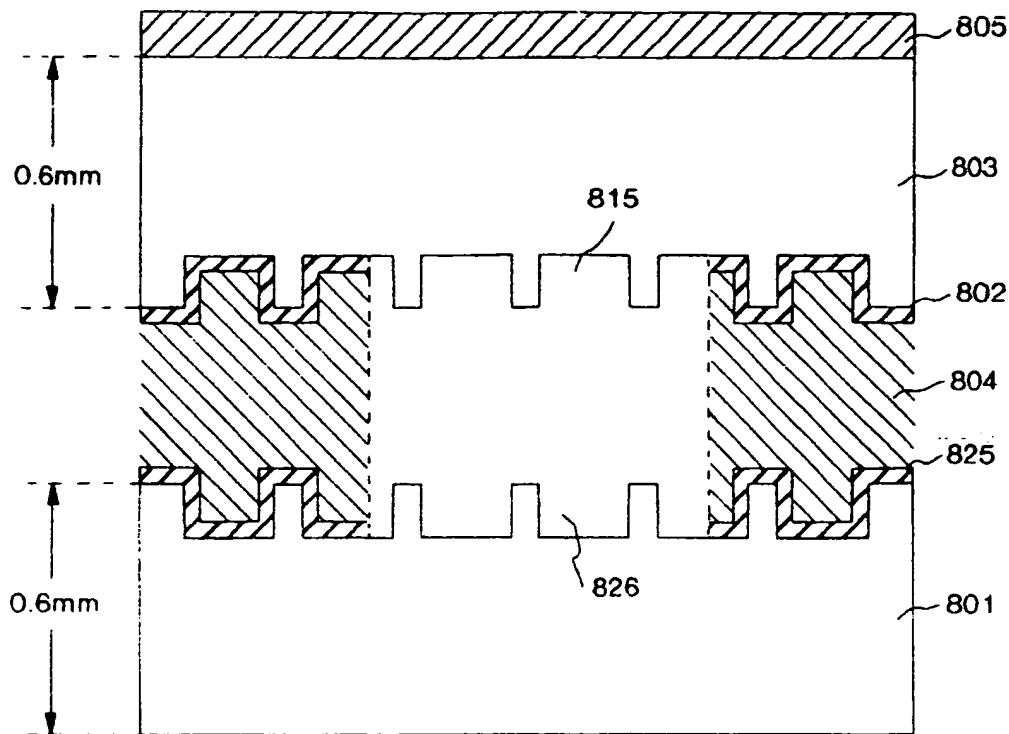


FIG. 10A

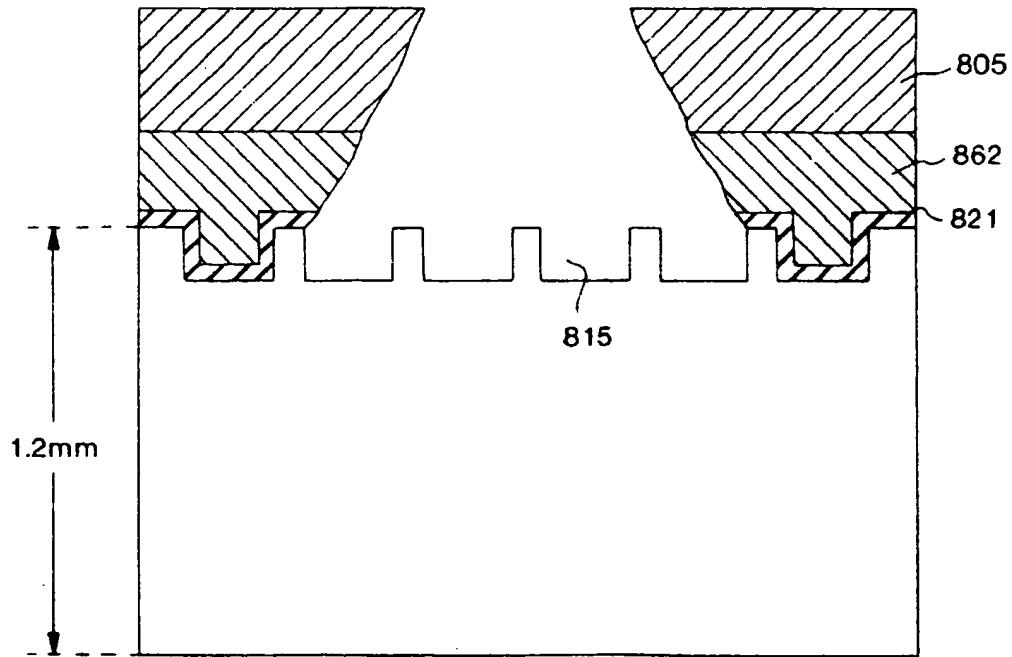


FIG. 10B

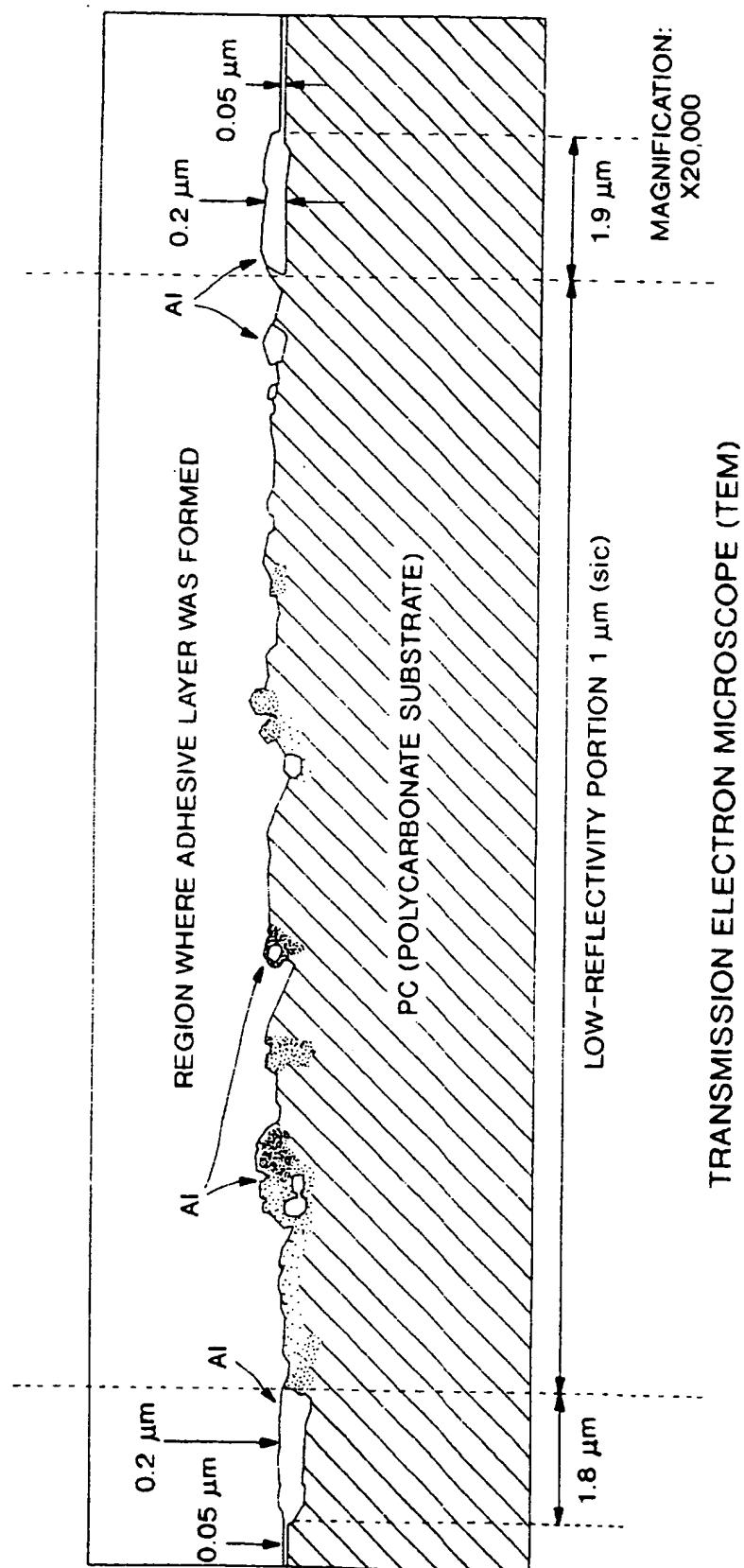


FIG. 11

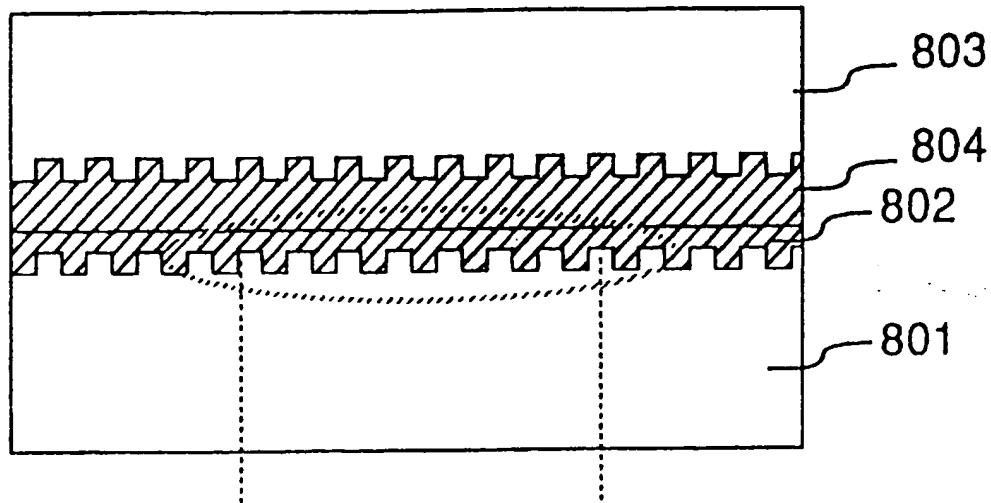


FIG. 12A

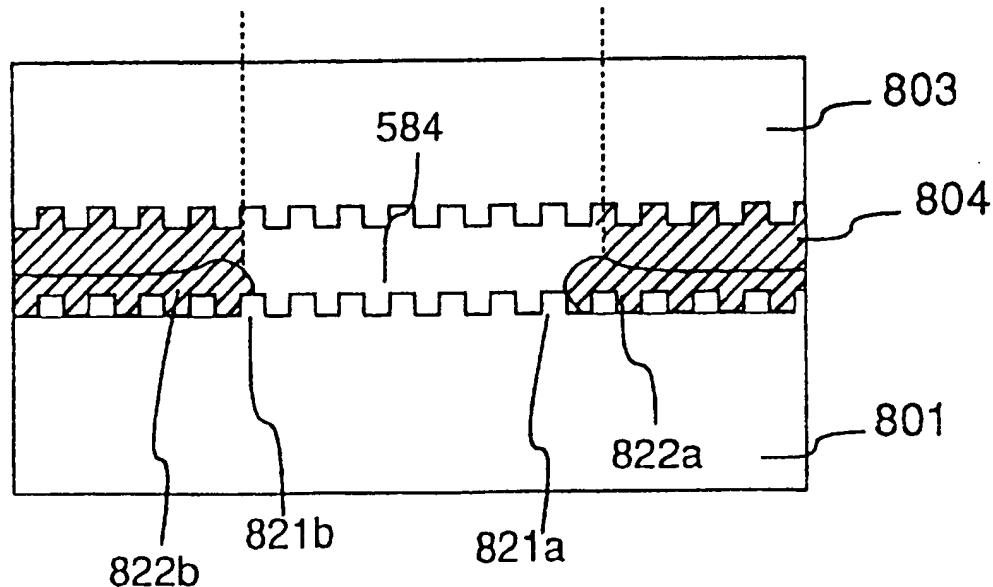


FIG. 12B

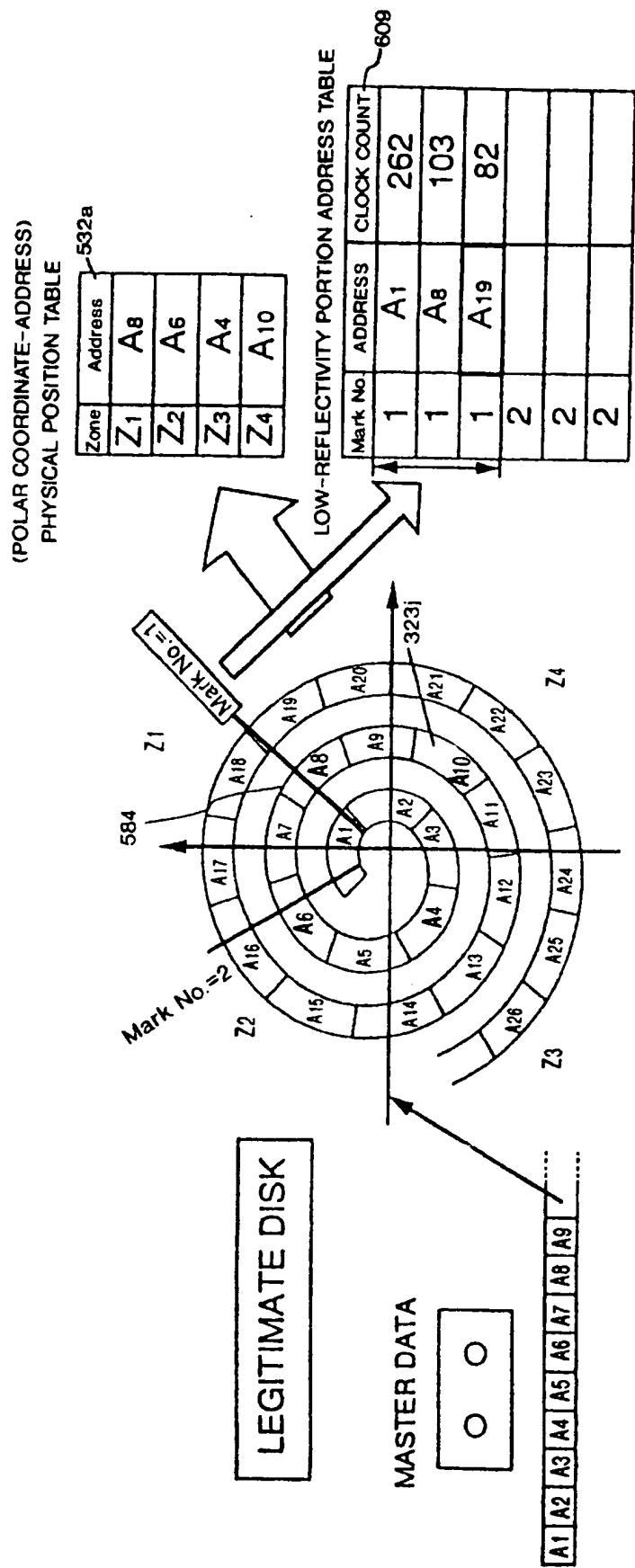


FIG. 13A

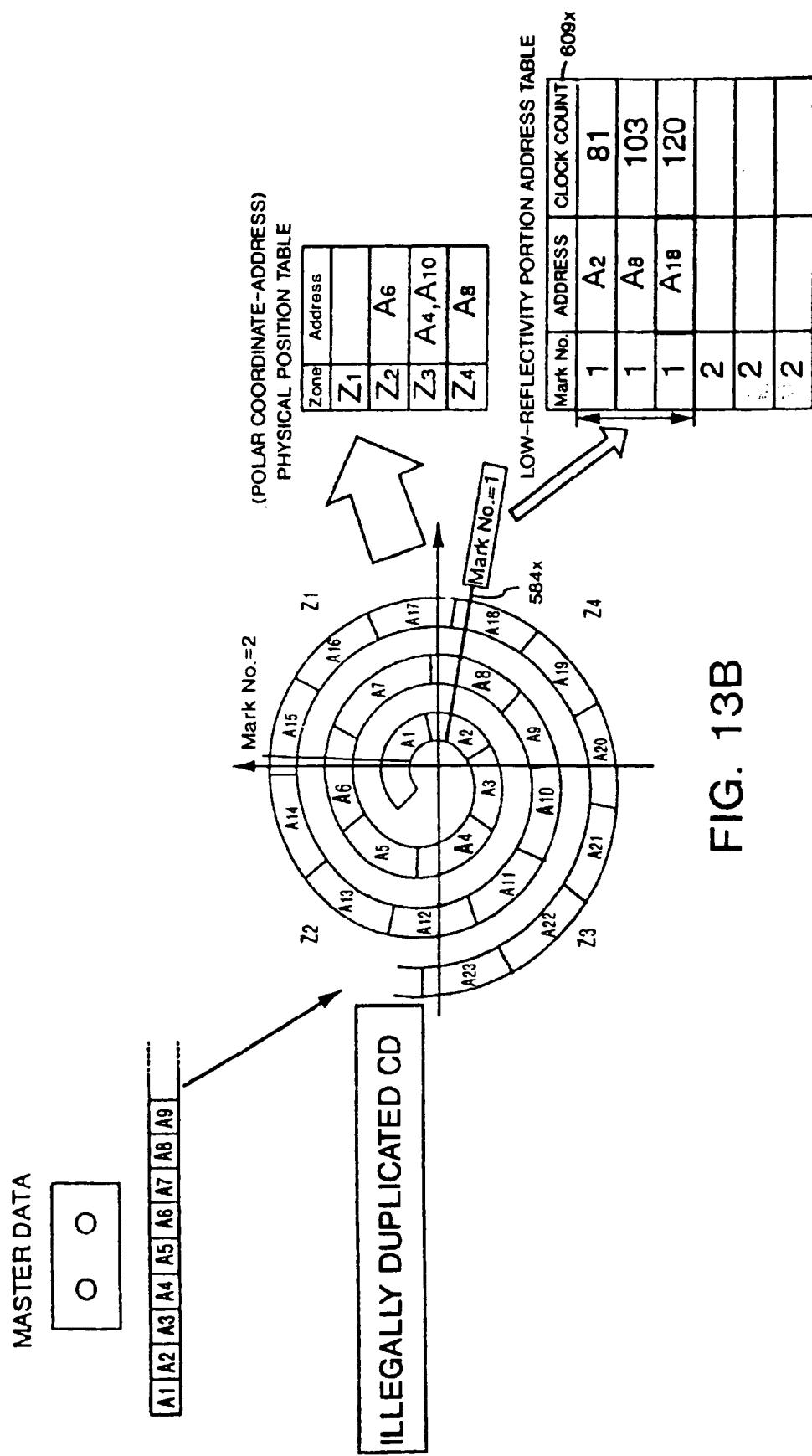


FIG. 13B

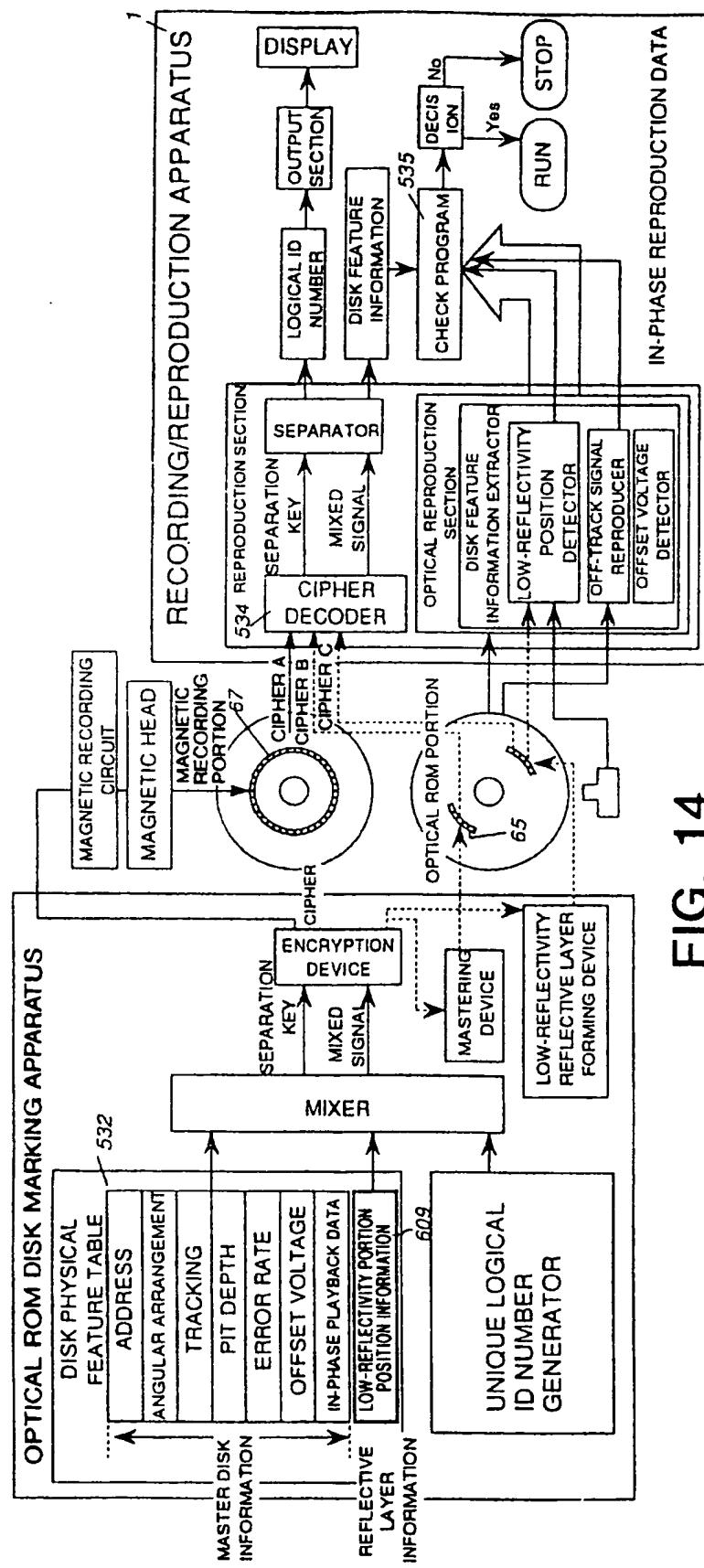


FIG. 15

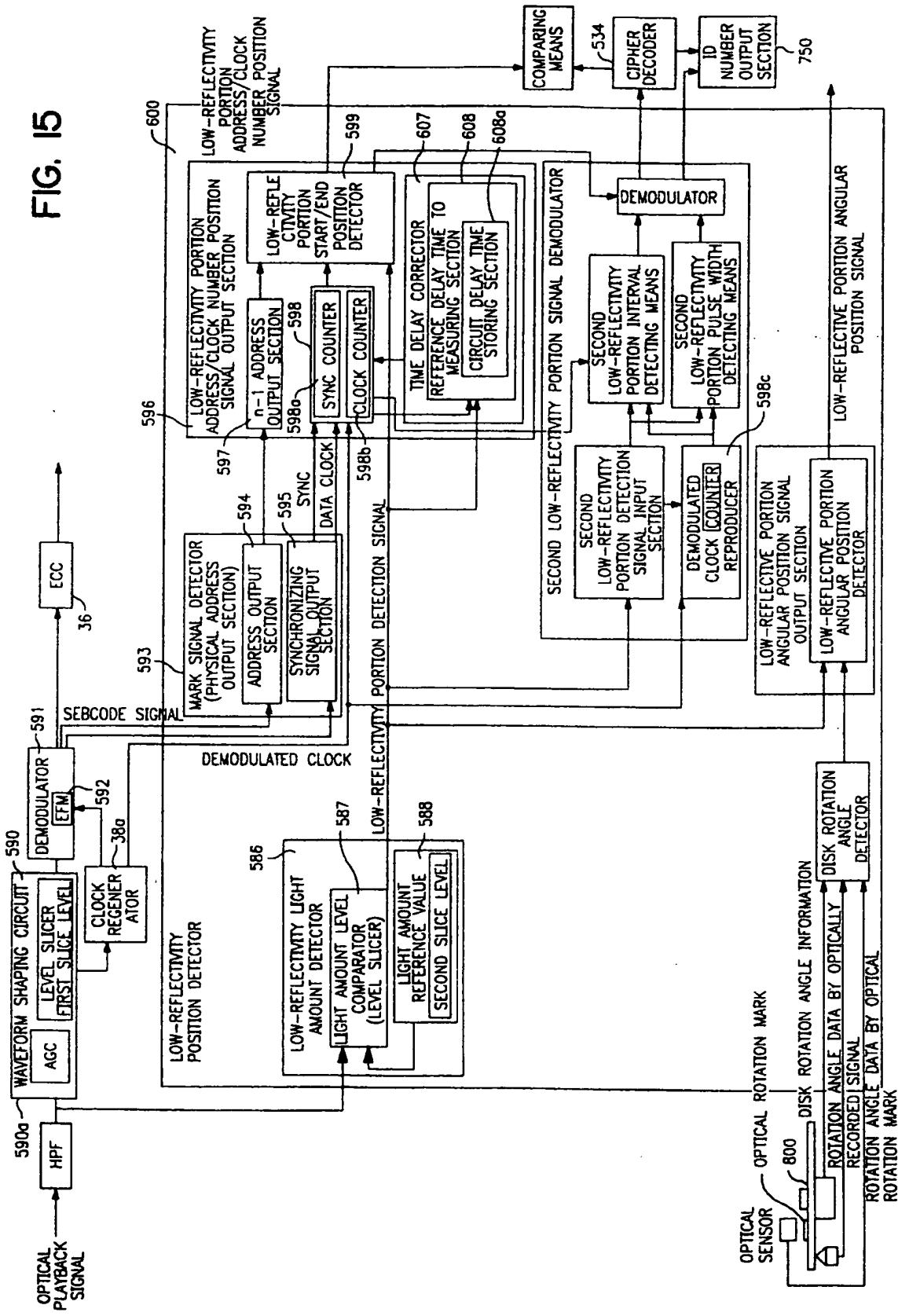
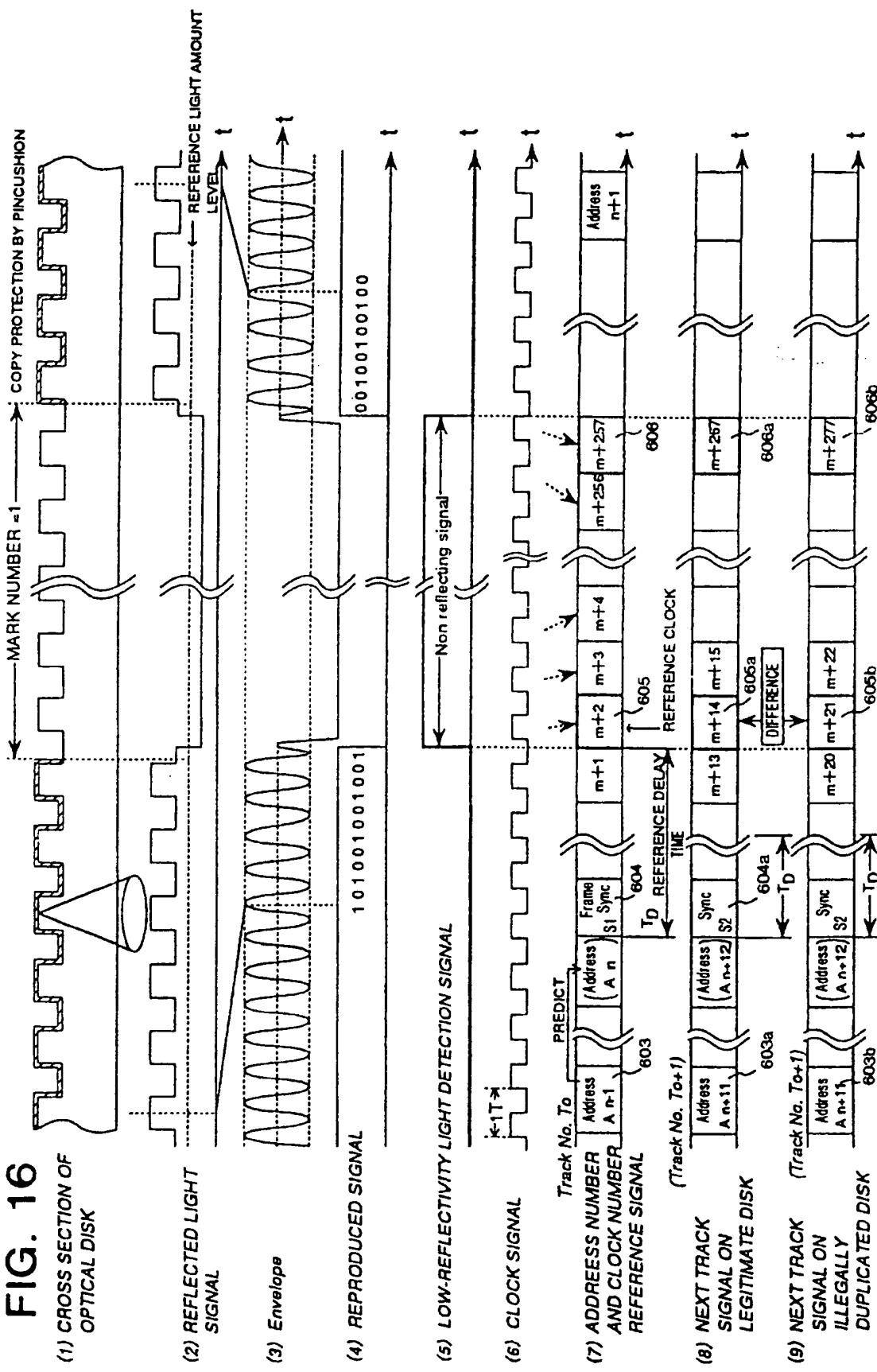


FIG. 16

(1) CROSS SECTION OF
OPTICAL DISK



LEGITIMATE DISK
LOW-REFLECTIVITY PORTION ADDRESS TABLE

MARK NO.	START POSITION			END POSITION		
	ADDRESS	Sync No	CLOCK NUMBER	ADDRESS	Sync No	CLOCK NUMBER
1 A n	S ₁	m+2	n			
1 A n+12	S ₂	m+14	n+12	m+267		
1 A n+23		m+25	n+23	m+300		
:	:	:	:	:	:	:
2 A n+1		m+15	n+1	m+160		
2 A n+13		m+85	n+13	m+250		
2 A n+24		m+68	n+24	m+210		
10 A	n+9					
10						

ILLEGALLY DUPLICATED DISK

LOW-REFLECTIVITY PORTION ADDRESS TABLE

MARK NO.	START POSITION			END POSITION		
	ADDRESS	Sync No	CLOCK NUMBER	ADDRESS	Sync No	CLOCK NUMBER
1 A n	S ₁	m+2	n	1	n	S ₁ m+2
1 A n+12	S ₂	m+14	n+12	1	n+12	S ₂ m+21
1 A n+23		m+25	n+23	1	n+22	m+4
:	:	:	:	:	:	:
2 A n+1		m+15	n+1	2	n+1	m+36
2 A n+13		m+85	n+13	2	n+13	m+120
2 A n+24		m+68	n+24	2	n+25	n+25
10 A	n+9			10	n+9	
10				10		

FIG. 17

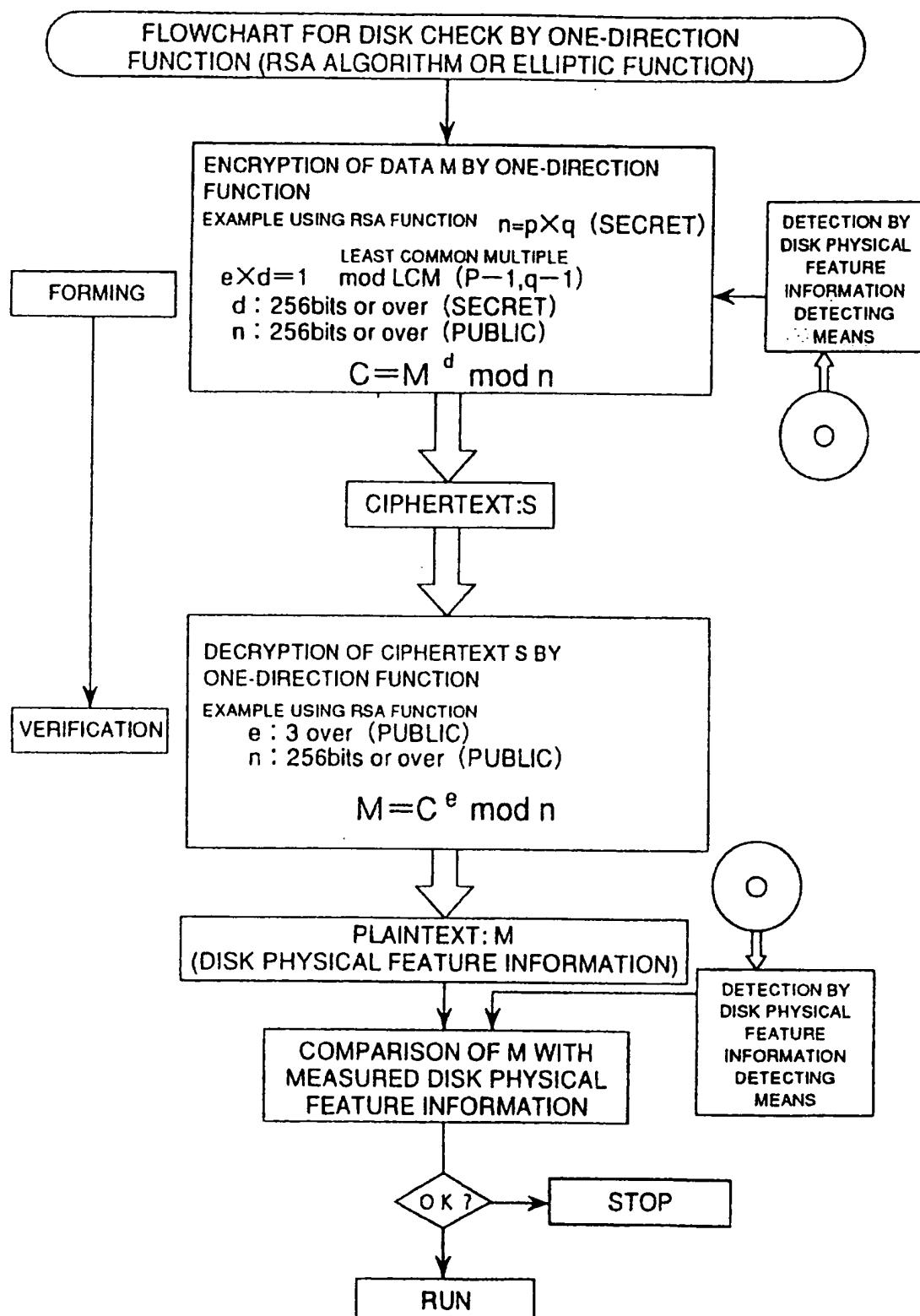


FIG. 18

**DIAGRAM SHOWING DIFFERENT PHYSICAL LOCATIONS OF
LOGICAL ADDRESSES ON DIFFERENT MASTER DISKS**
 PHYSICAL LOCATIONS OF THE SAME LOGICAL ADDRESSES ON MASTER DISKS
 PRODUCED ON DIFFERENT DAYS

FIRST MASTER DISK ○ CLV=1.231m./ sec(SRC##2 MISI)
 SECOND MASTER DISK ● CLV=1.245m./ sec(FZ-SJ1951A 3)
 THIRD MASTER DISK ▲ CLV=1.308m./ sec(FZ-SJ1951AT 8)

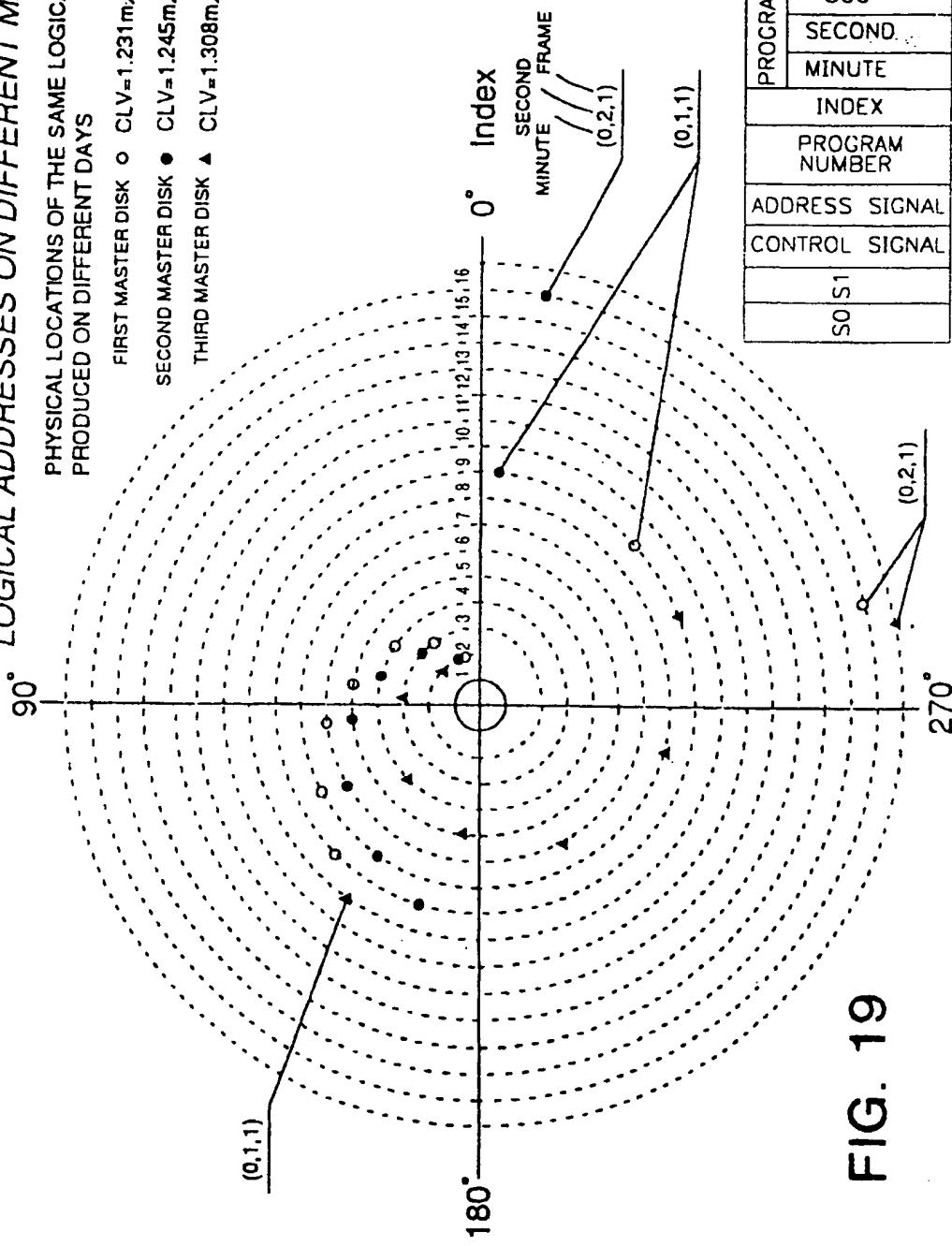


FIG. 19

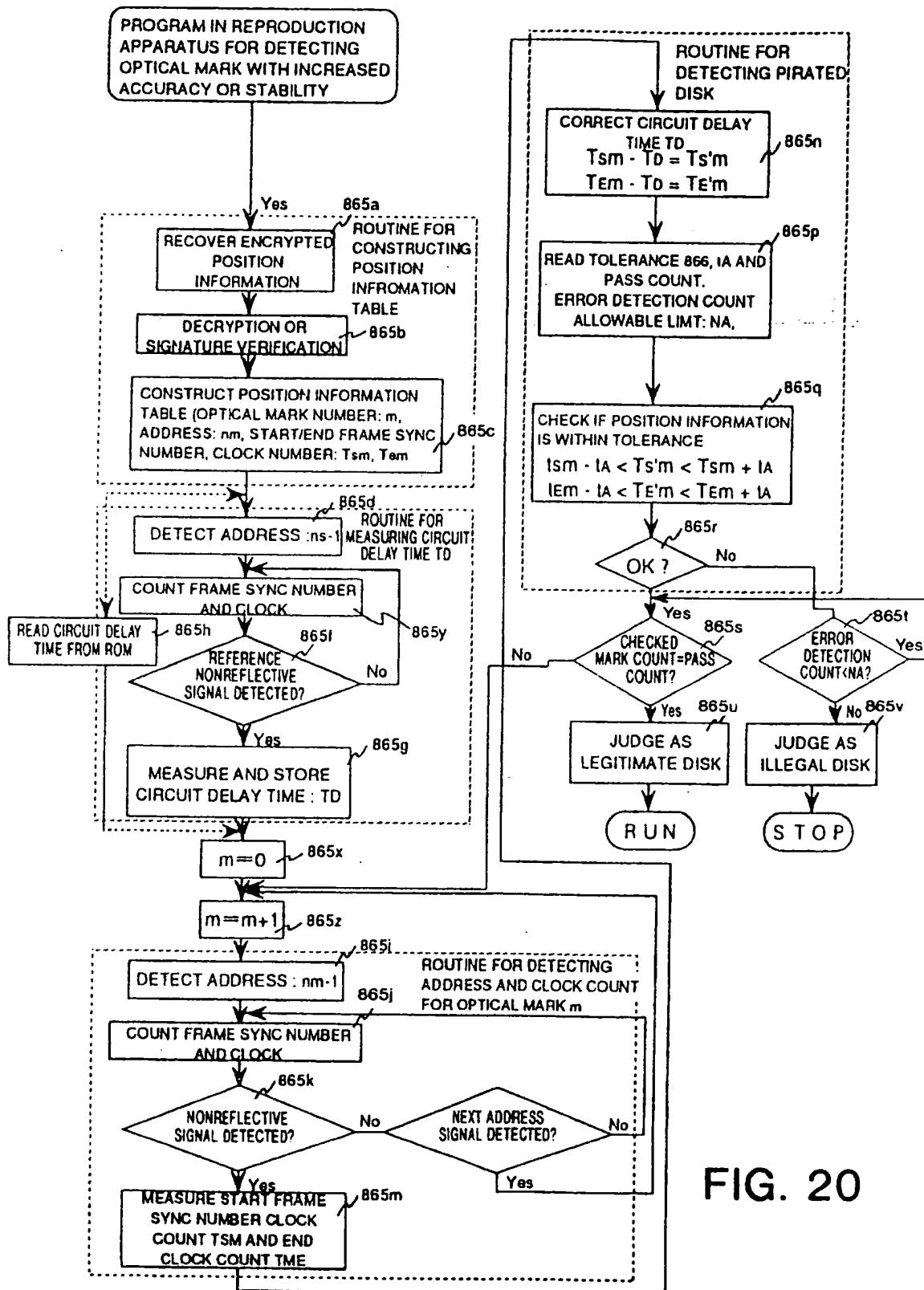


FIG. 20

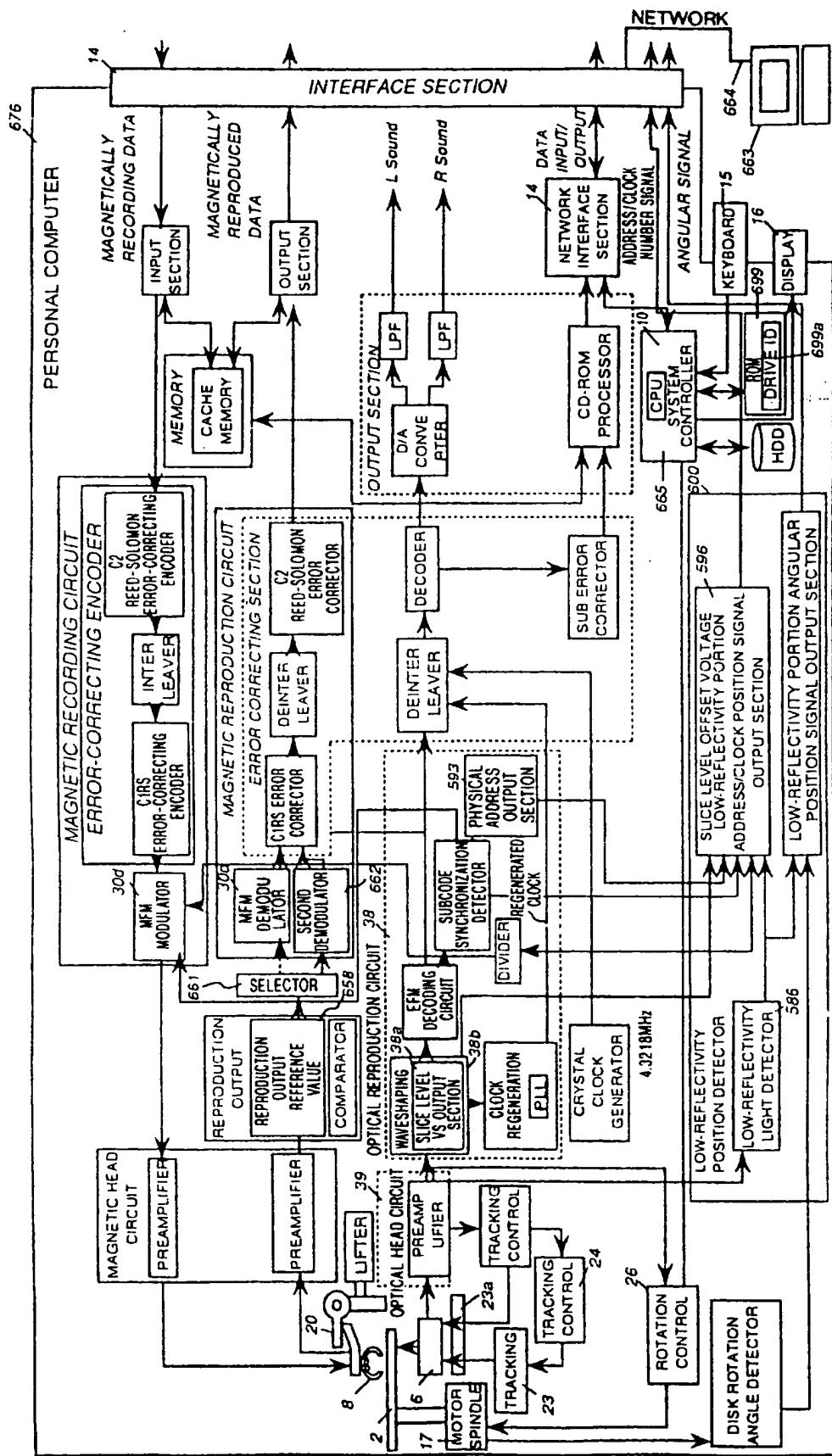


FIG. 21

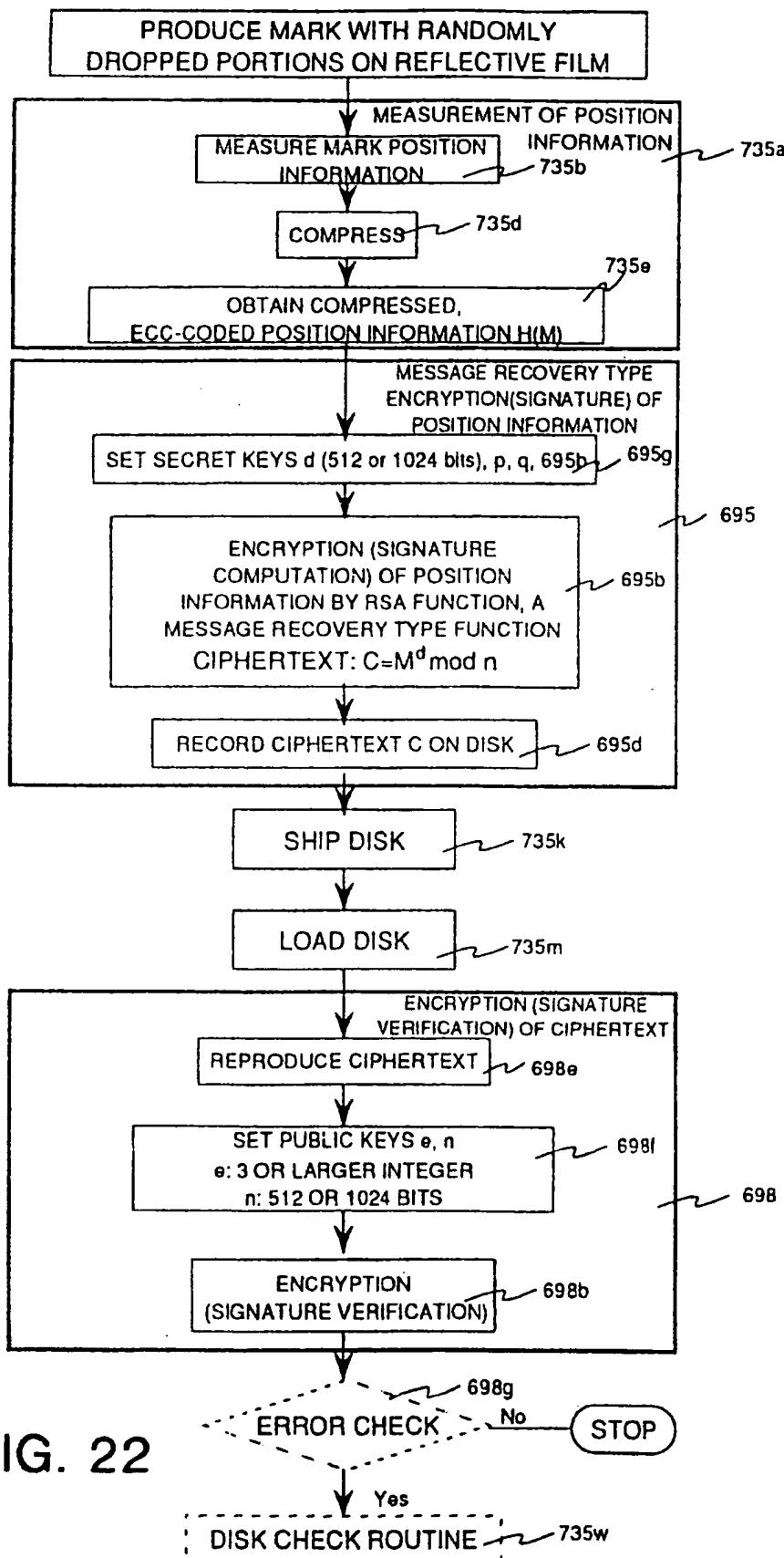


FIG. 22

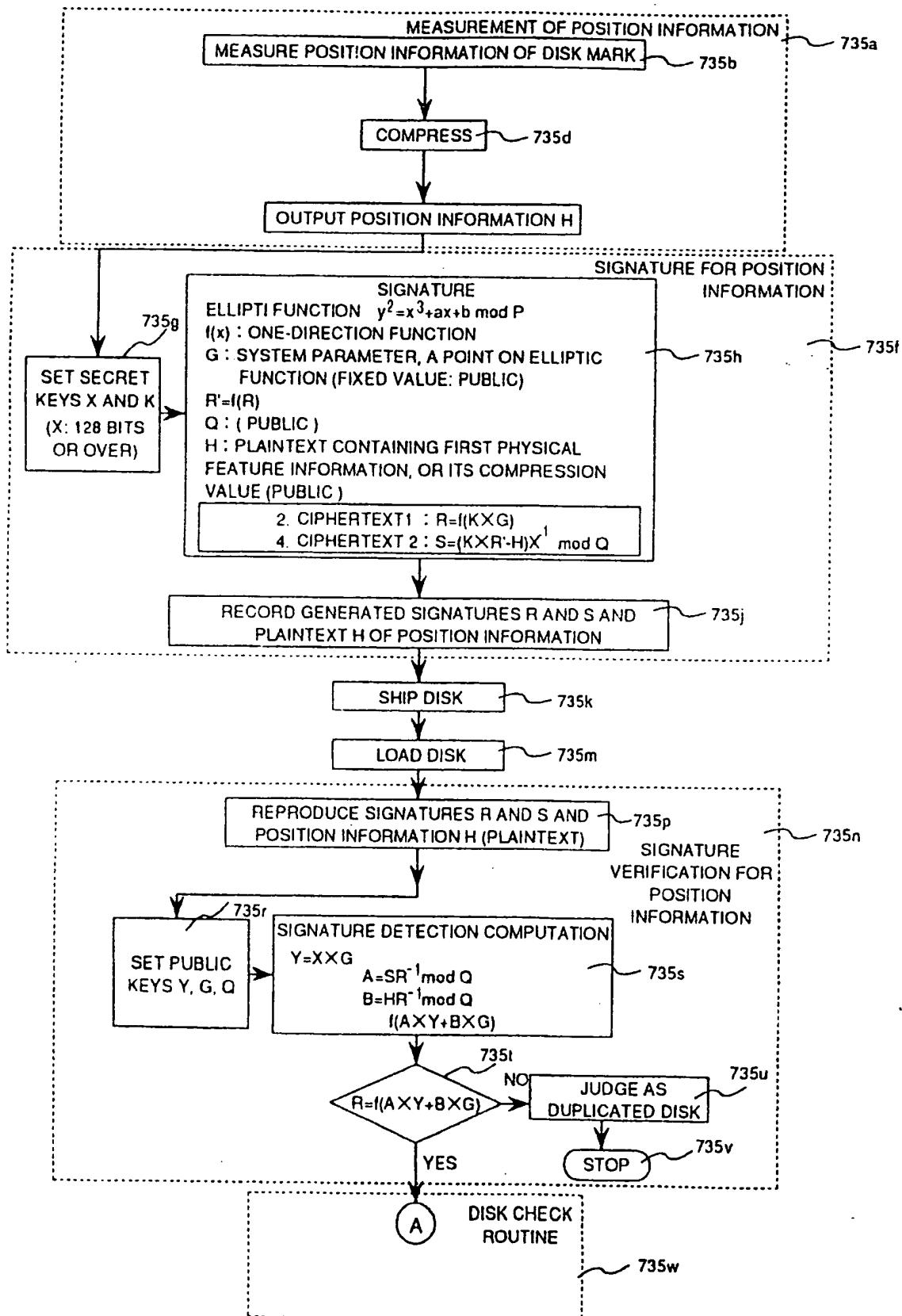


FIG. 23

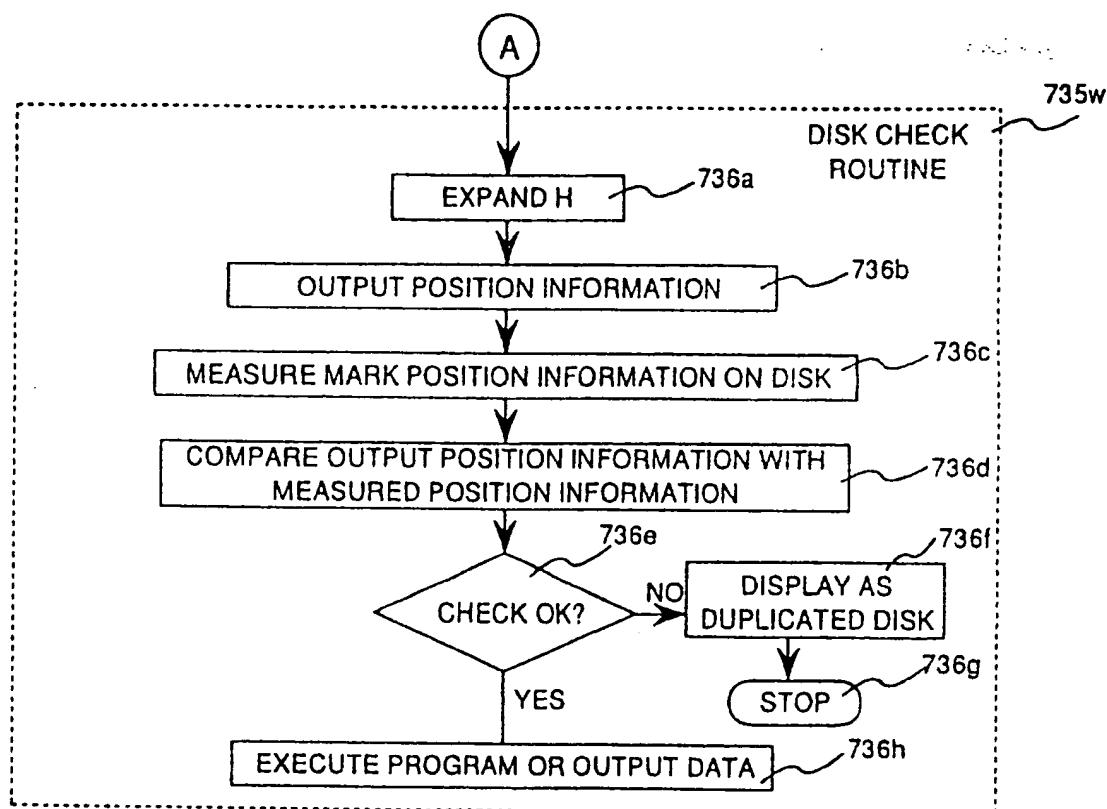


FIG. 24

20047955-220204

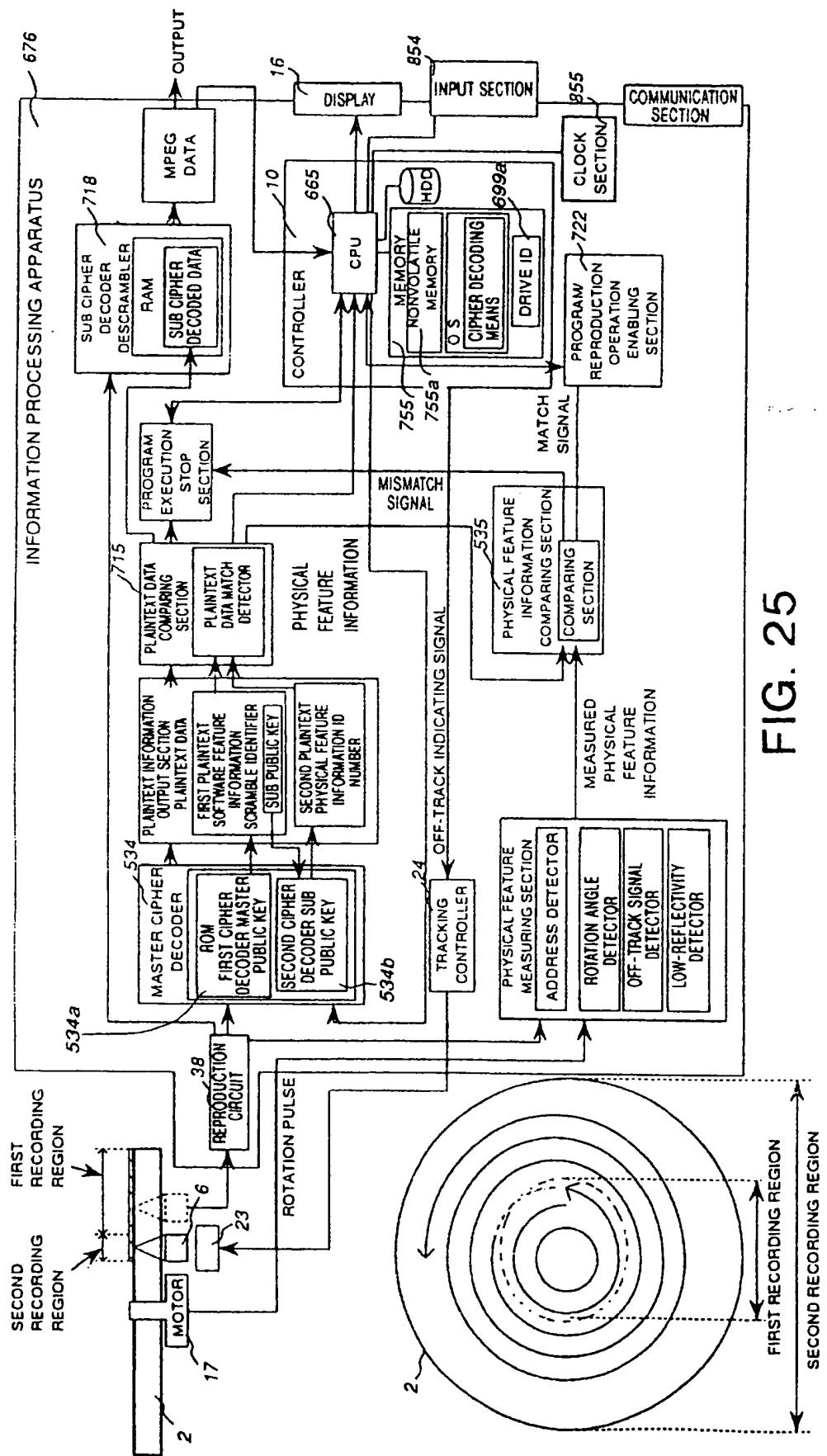
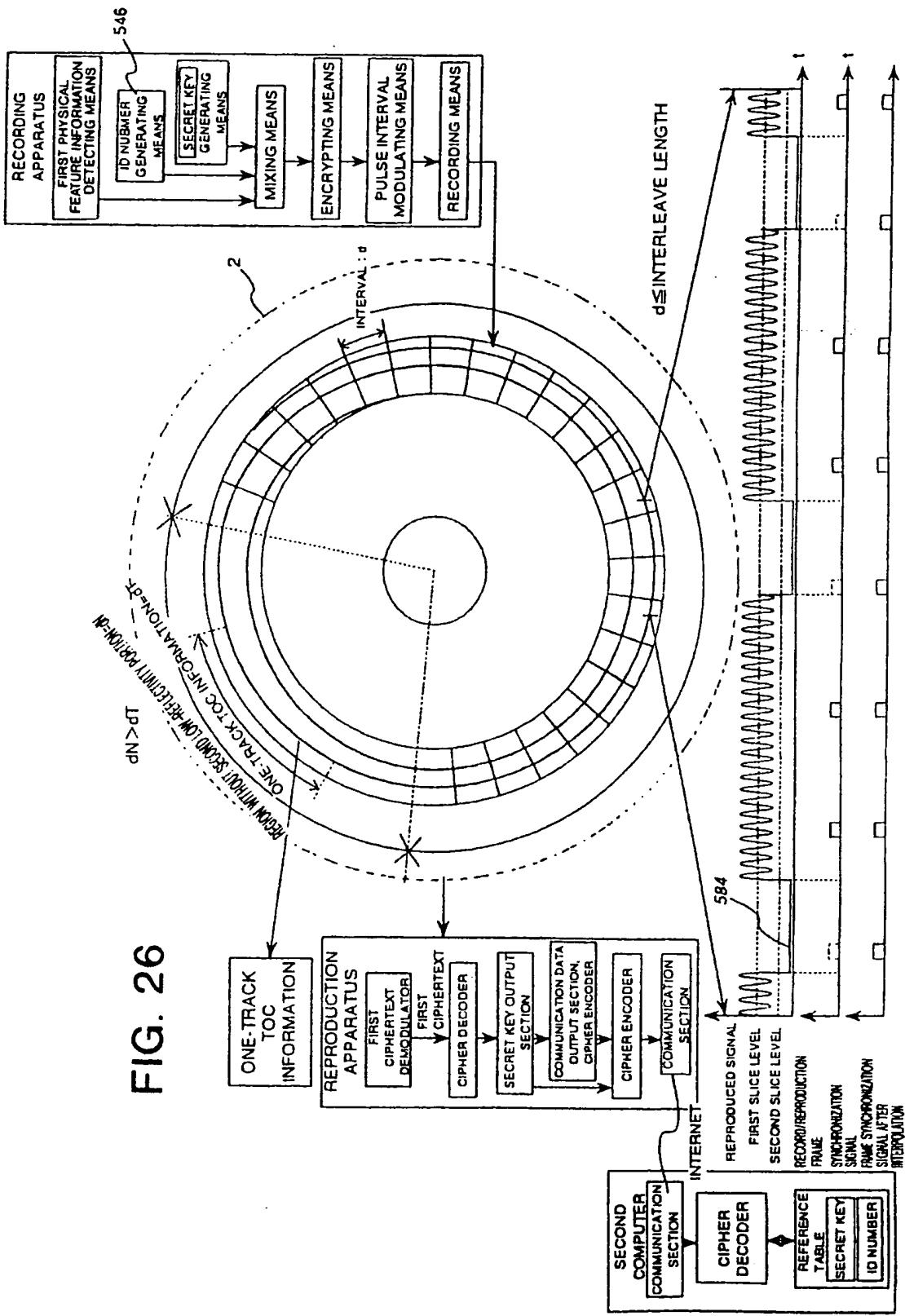
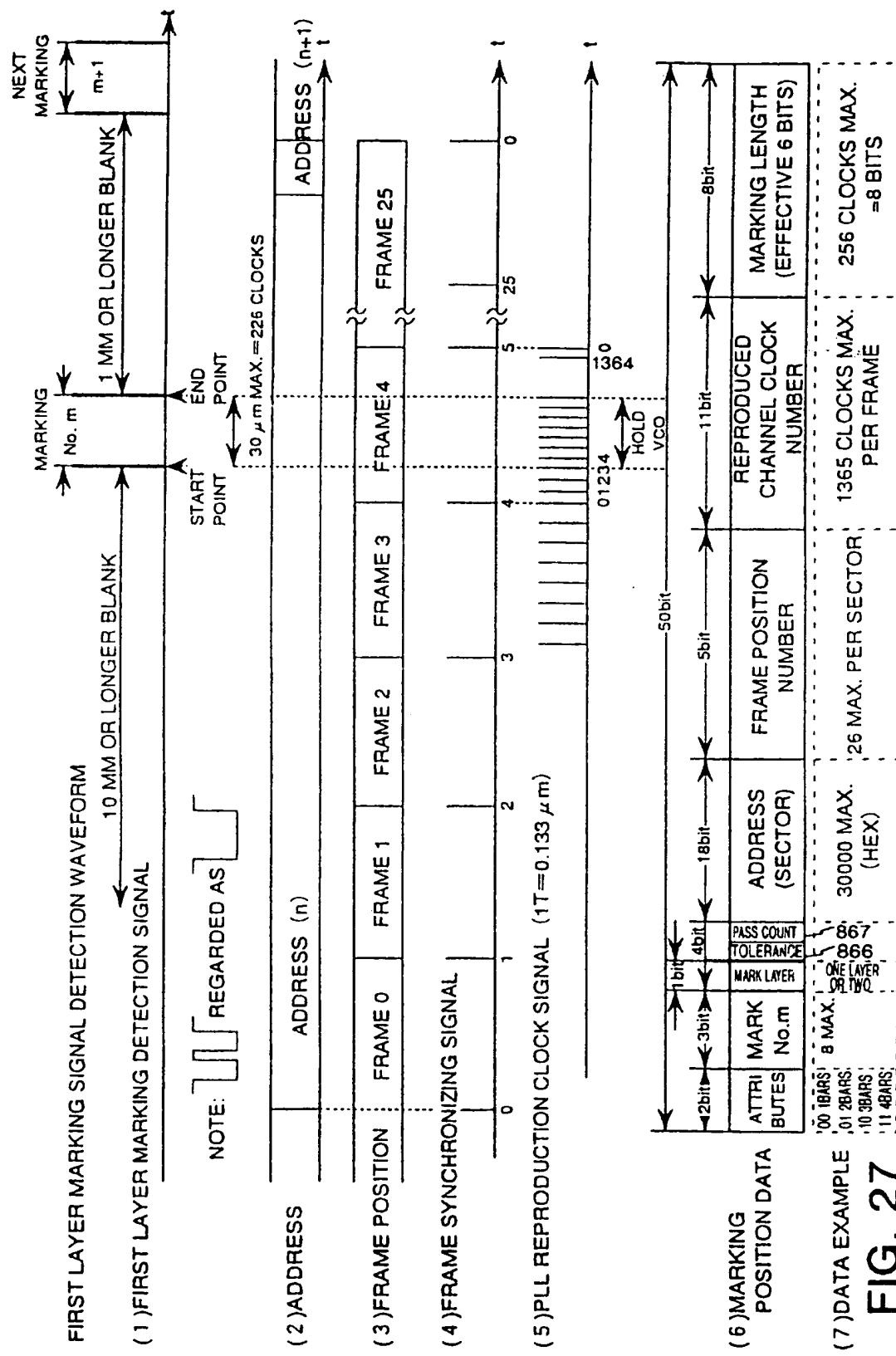
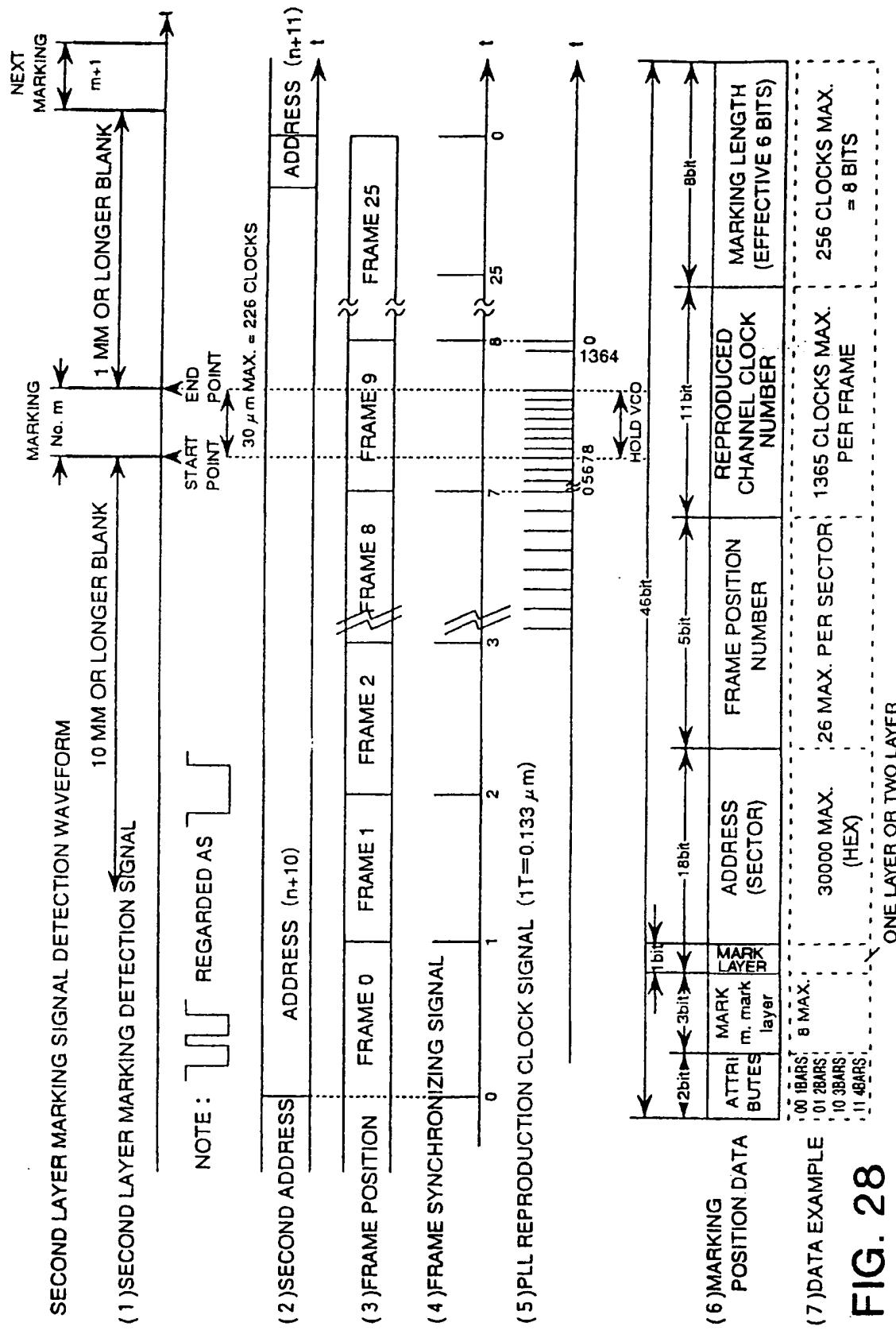


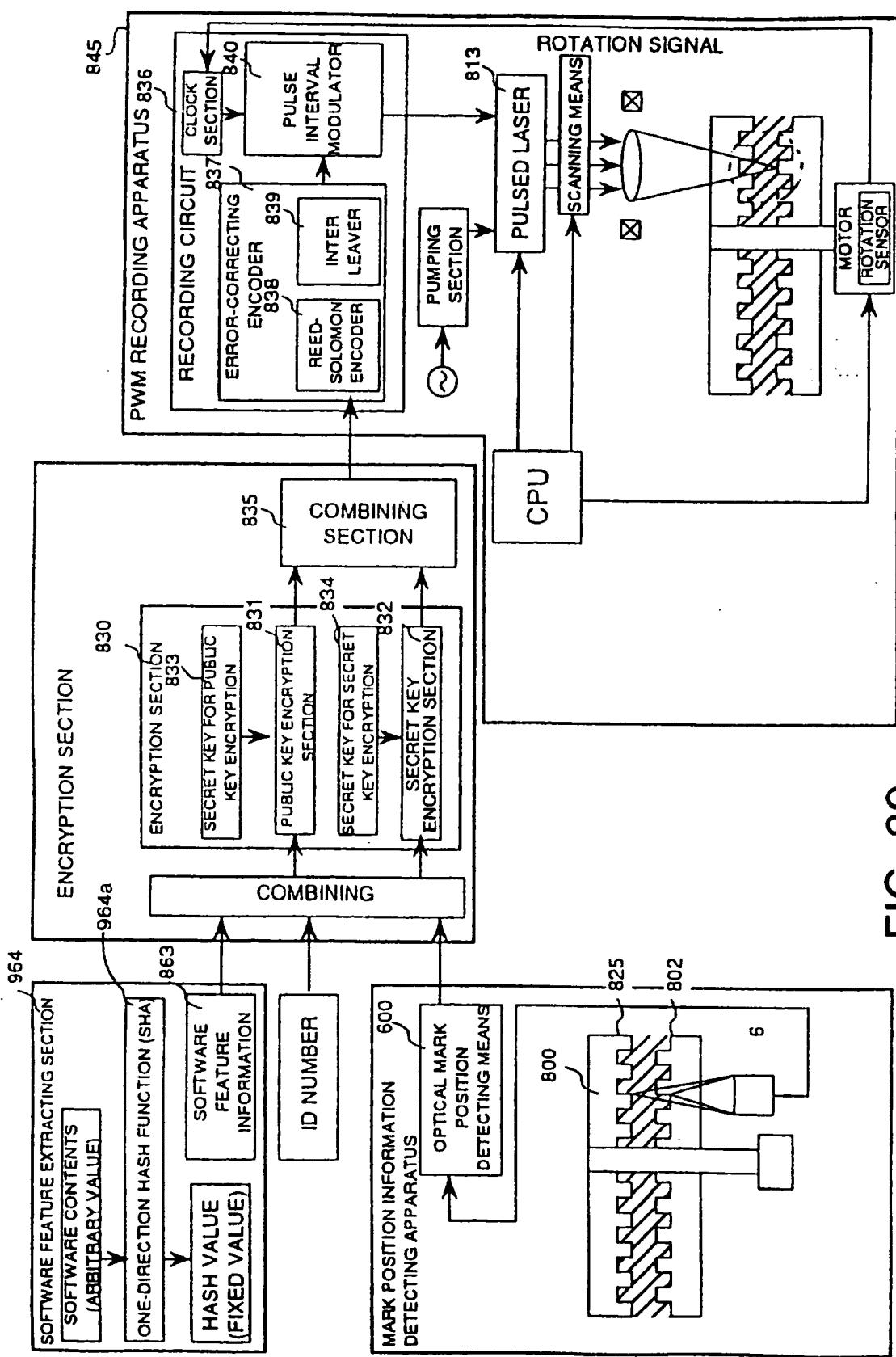
FIG. 25

FIG. 26









CODE CLASSIFIED BY PULSE INTERVAL, 4-VALUE PWM RECORDING

CODE	00	01	10	11
801a				

Barcode Line Width Versus Recording Density

LINE WIDTH W (μm)	PERIOD T (μm)	RECORDING DENSITY $\mu\text{m}/\text{bit}$	MAXIMUM RECORDING CAPACITY ONE RING	LENGTH OF 1 KBITS mm
1 μm	2 μm	2.55 μm	56Kbit	2.5mm
3 μm	6 μm	7.5 μm	28.2Kbit	5mm
5 μm	10 μm	12.5 μm	11.2Kbit	12.5mm
10 μm	20 μm	25 μm	5.6Kbit	25mm
20 μm	40 μm	50 μm	2.82Kbit	50mm

$$1T = 0.13 \mu\text{m}$$

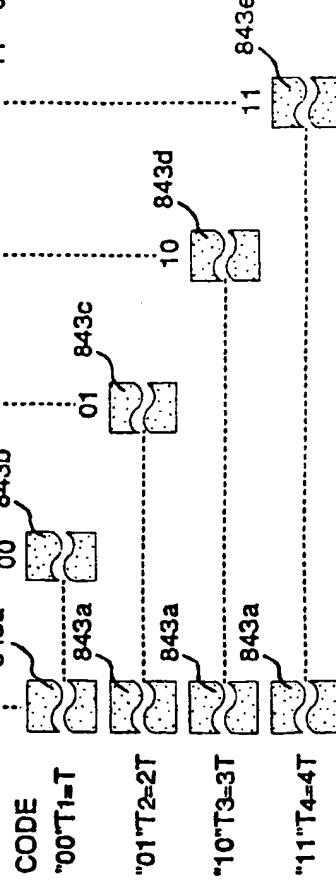


FIG. 30

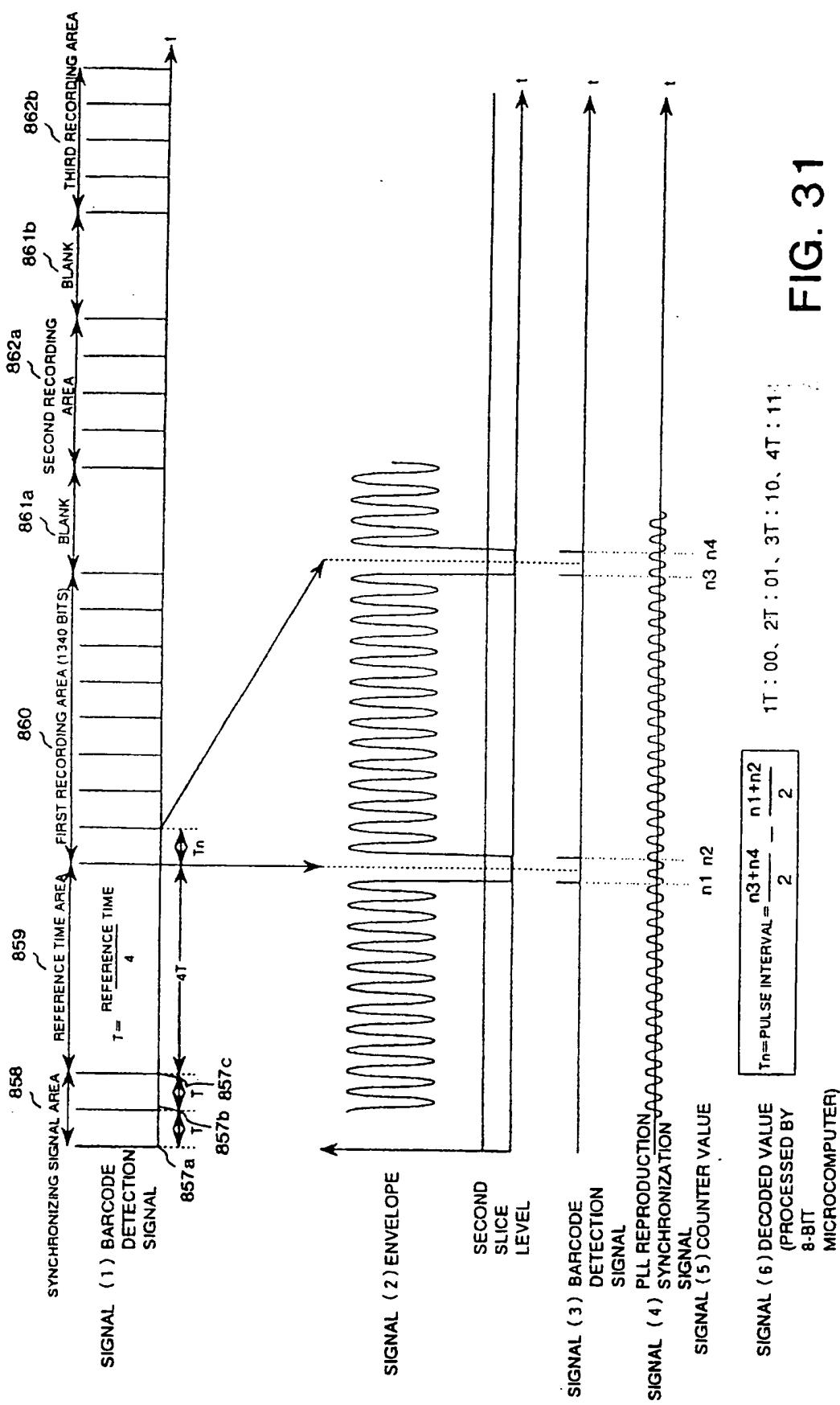


FIG. 31

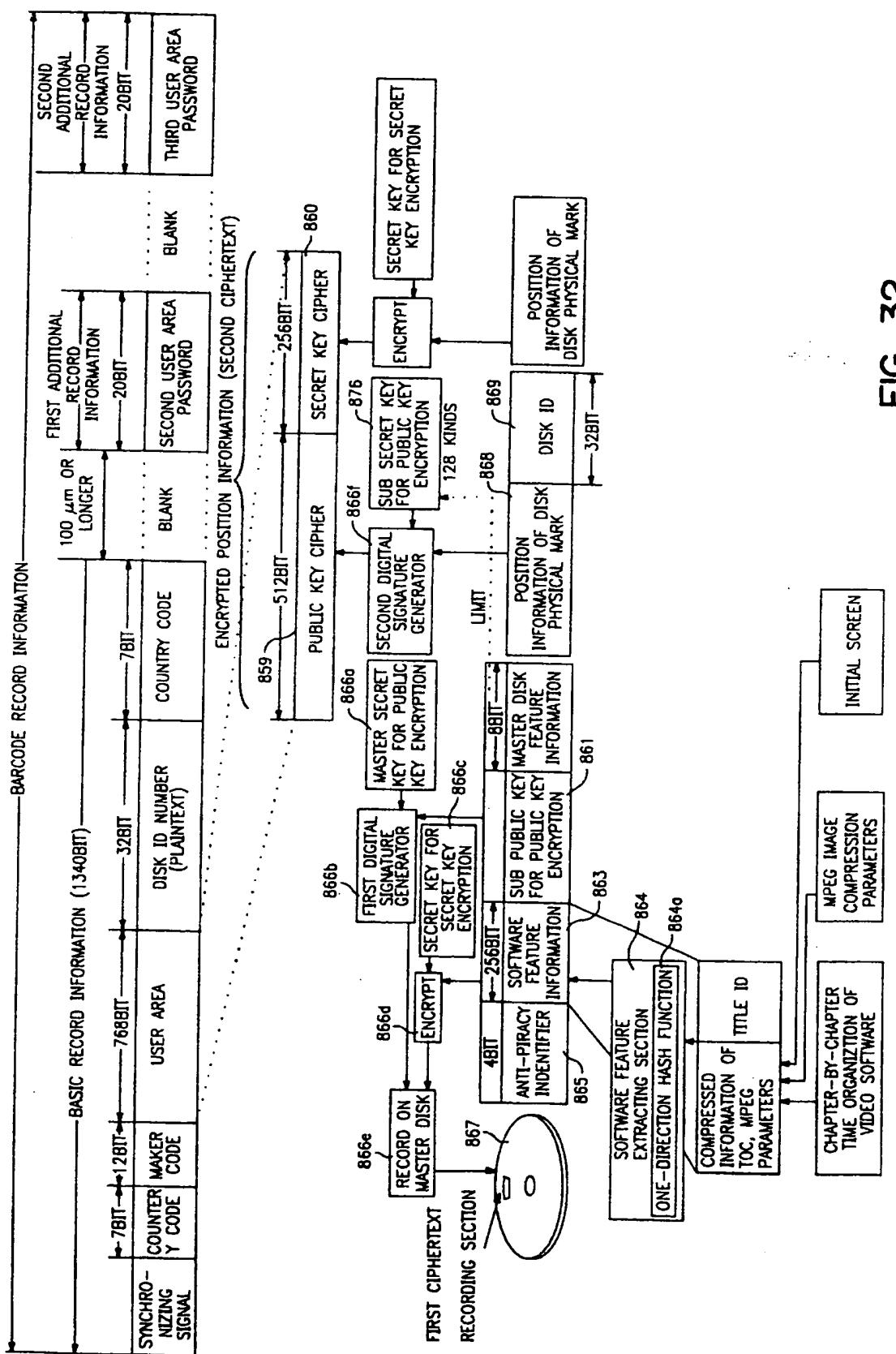


FIG. 32

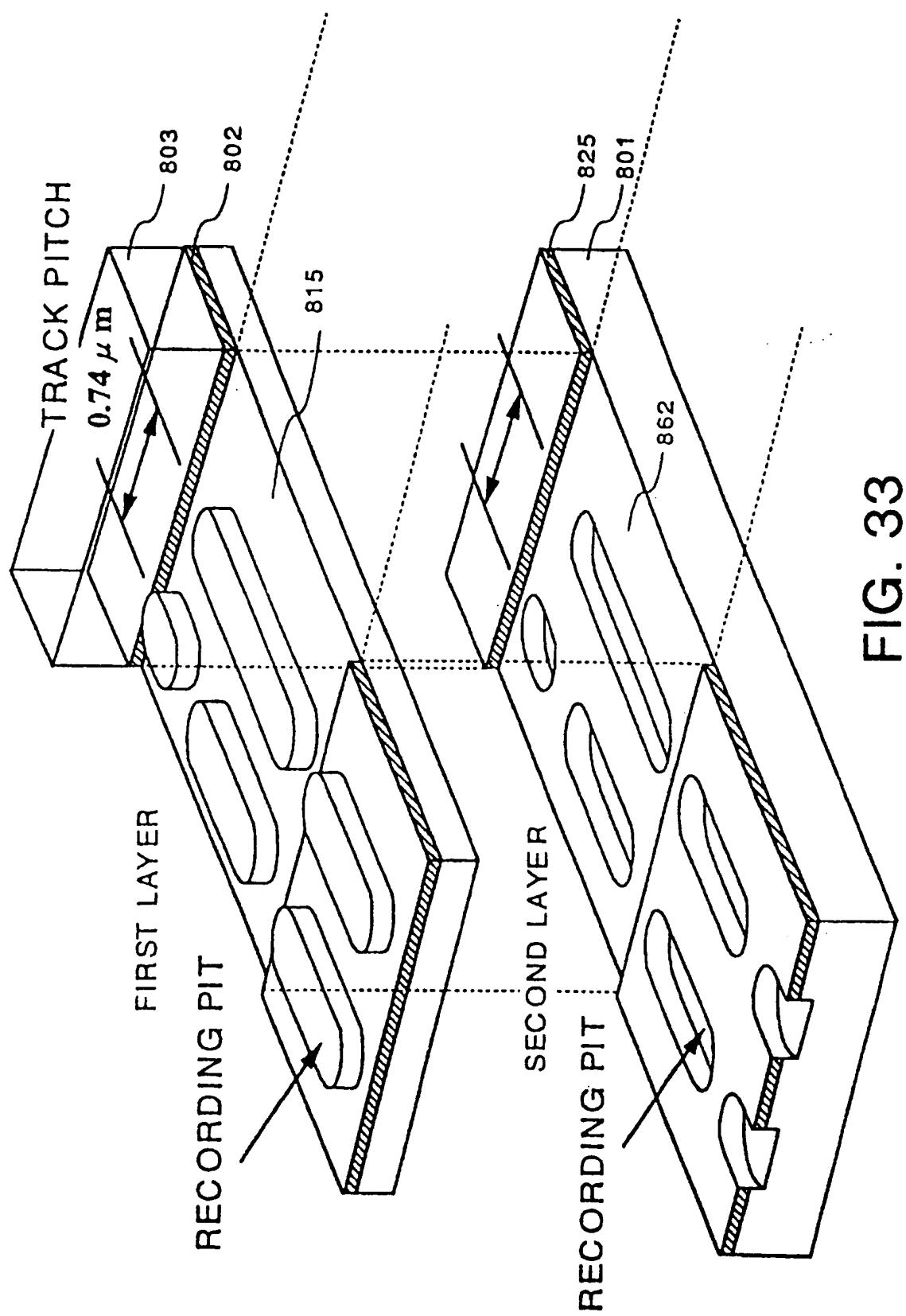
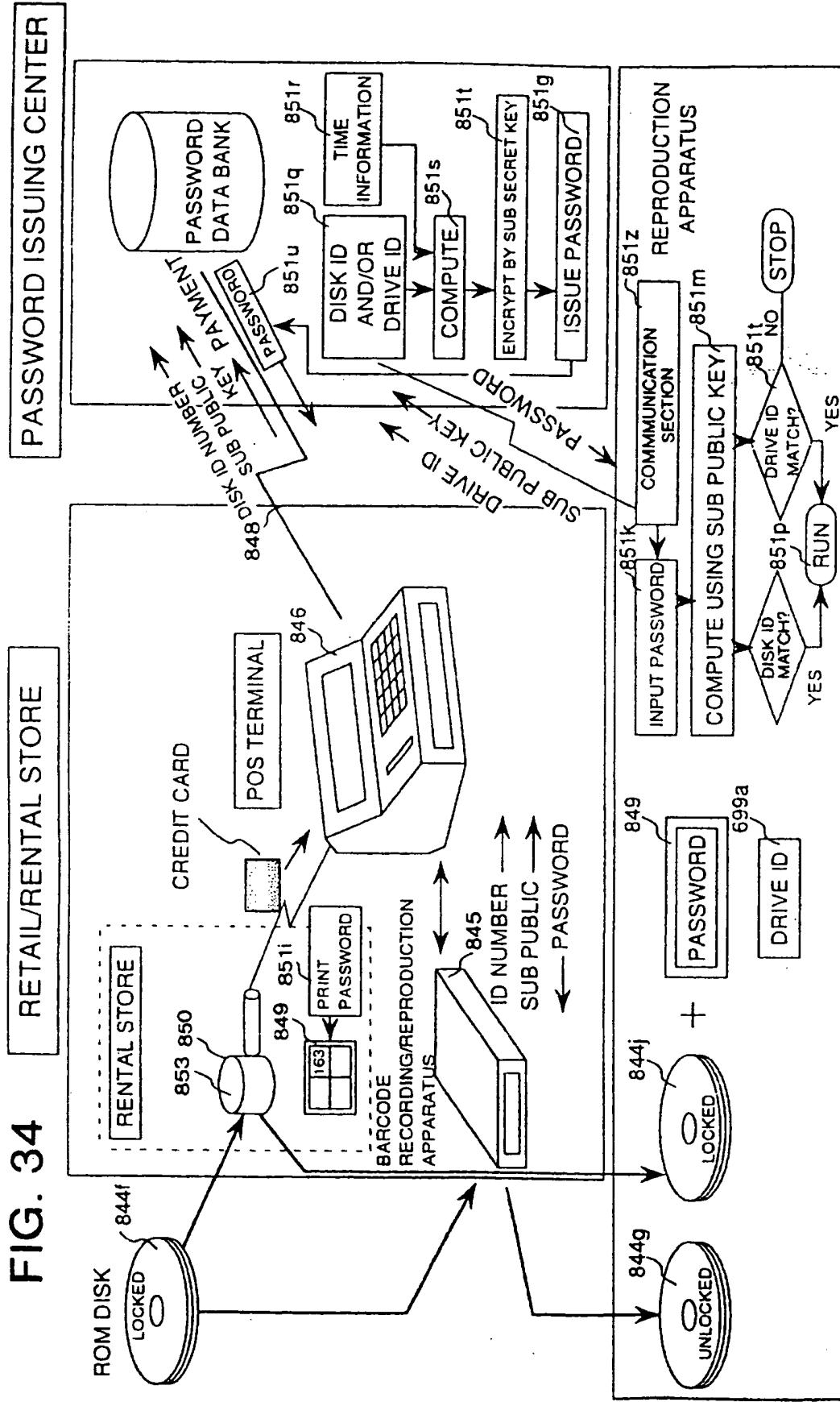


FIG. 33

FIG. 34 RETAIL/RENTAL STORE



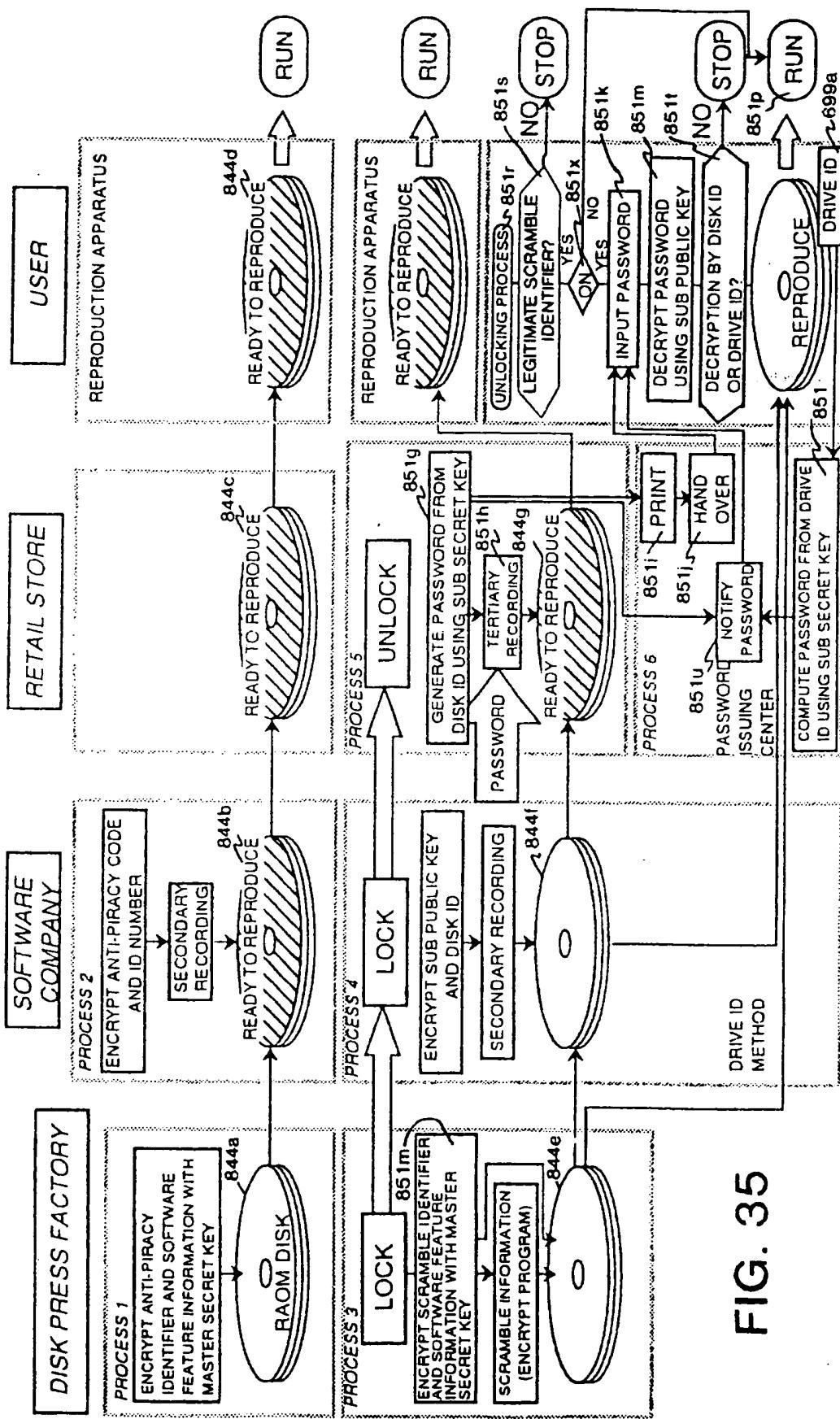
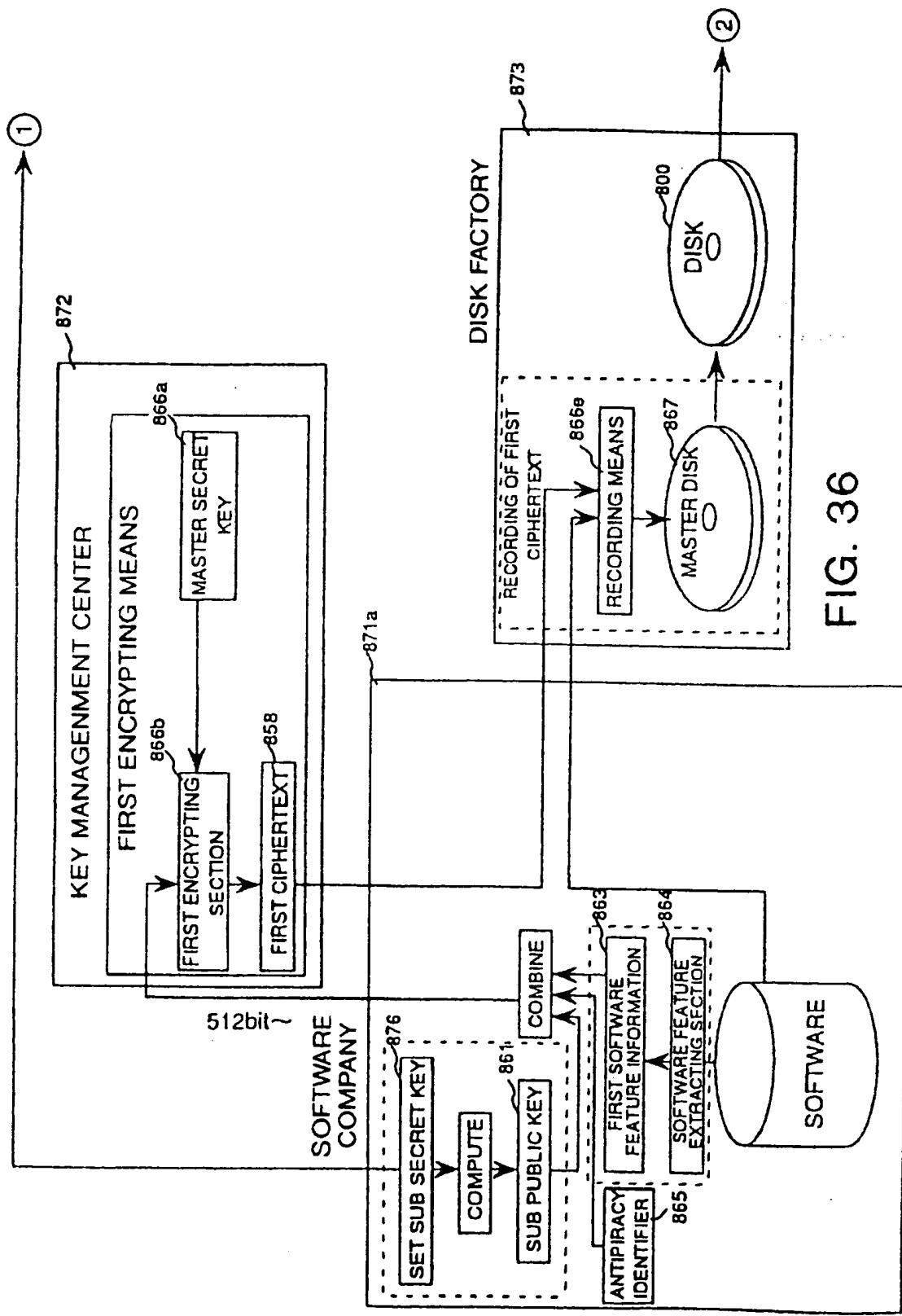


FIG. 35



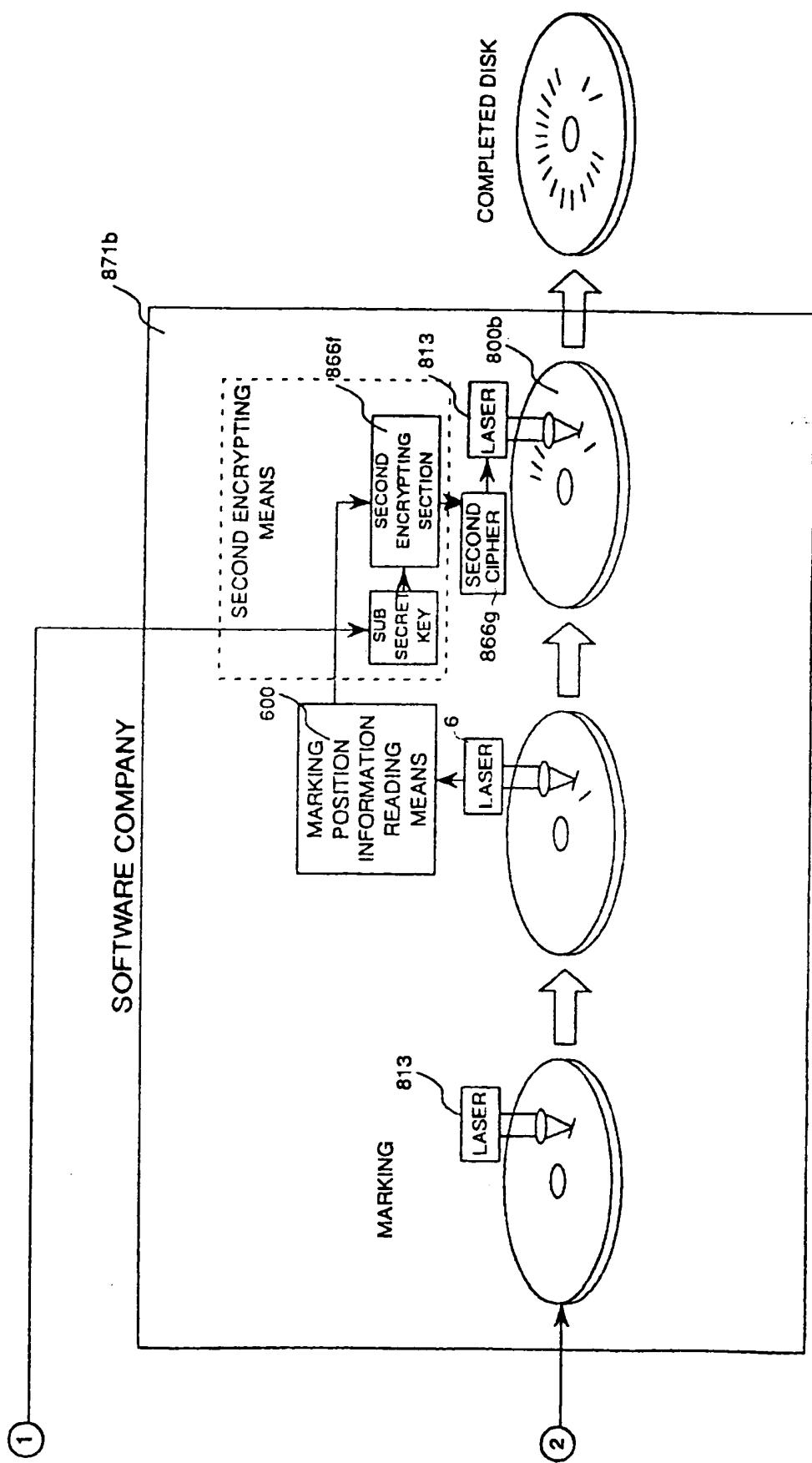


FIG. 37

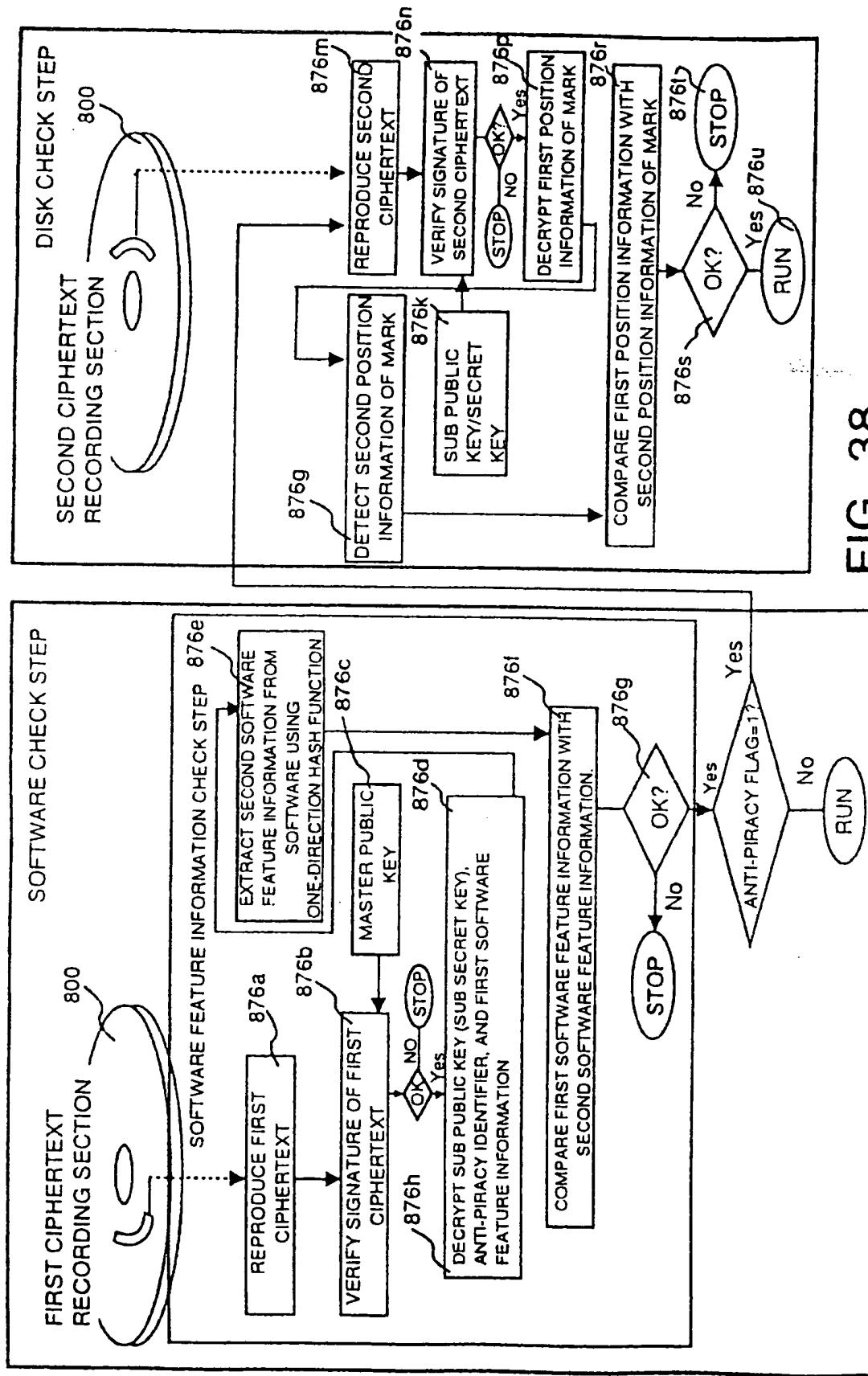
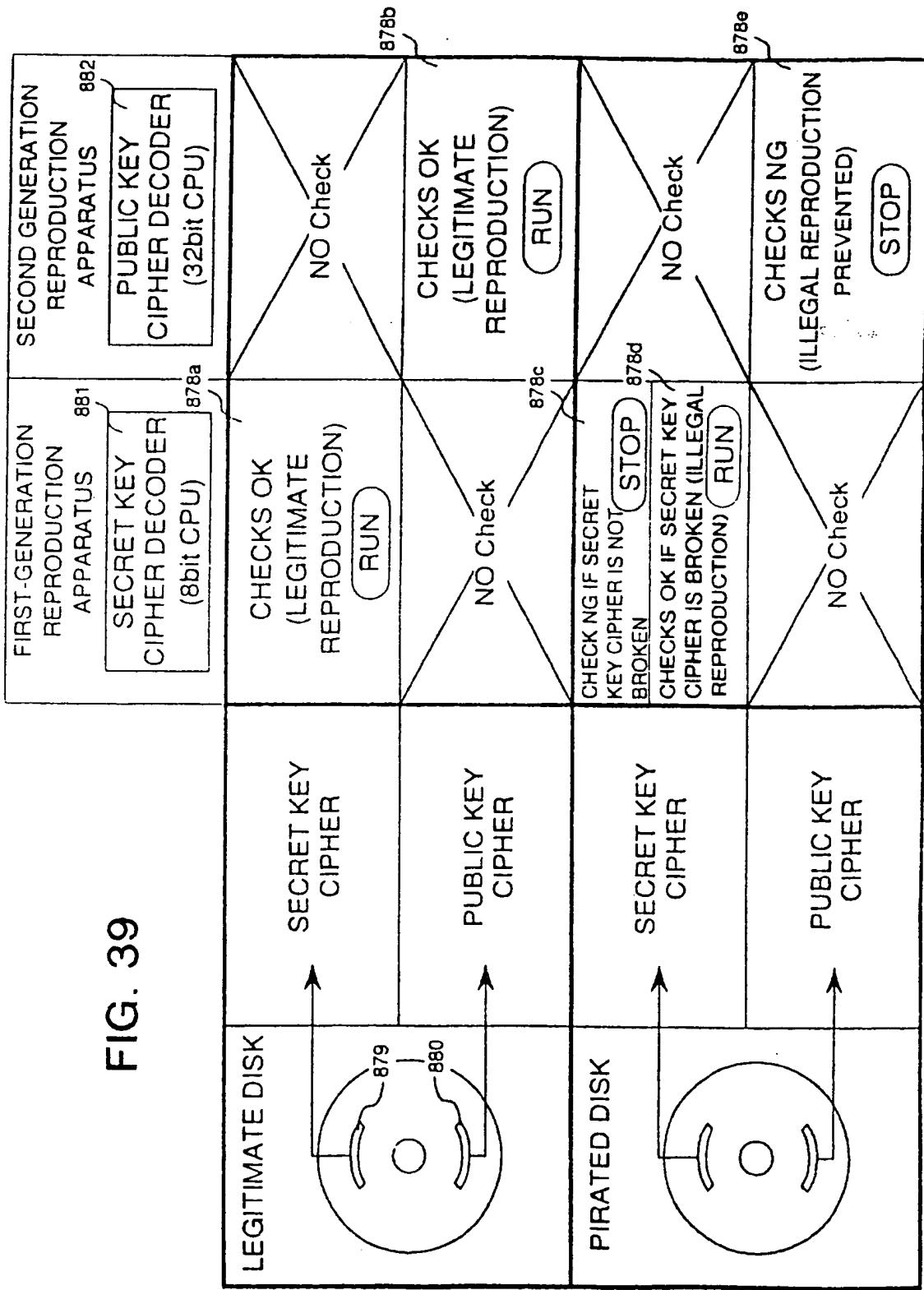


FIG. 38

FIG. 39



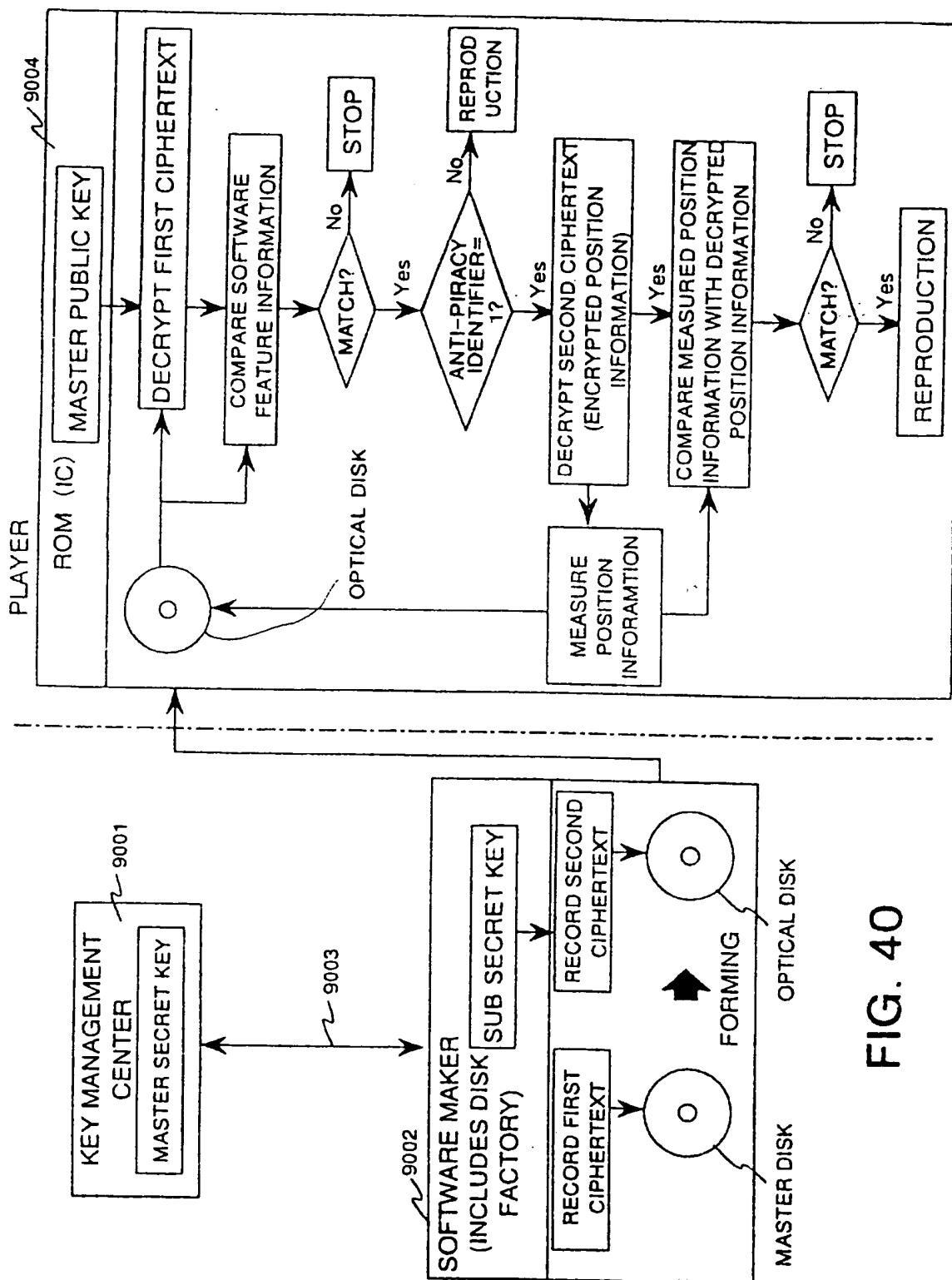


FIG. 40

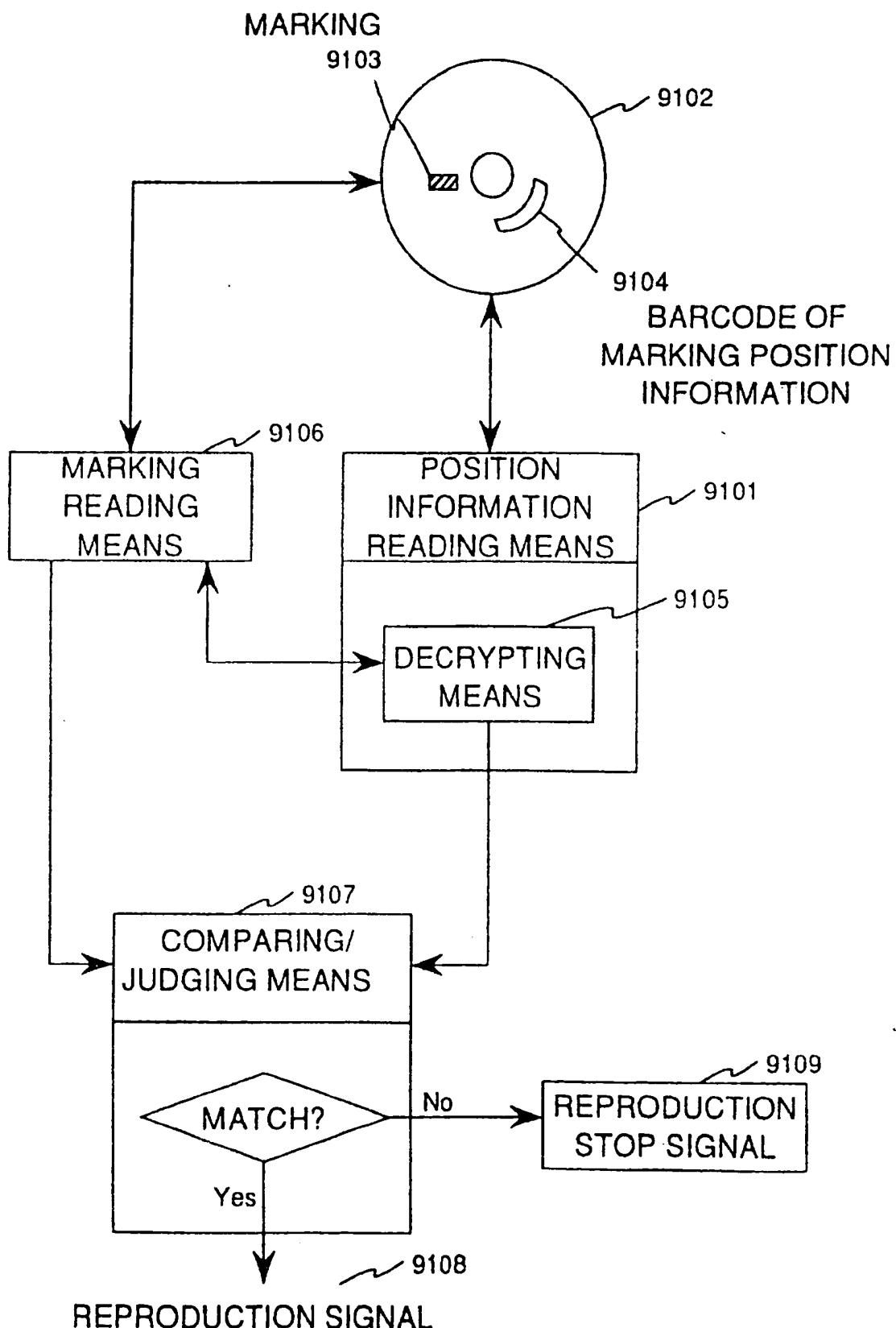


FIG. 41

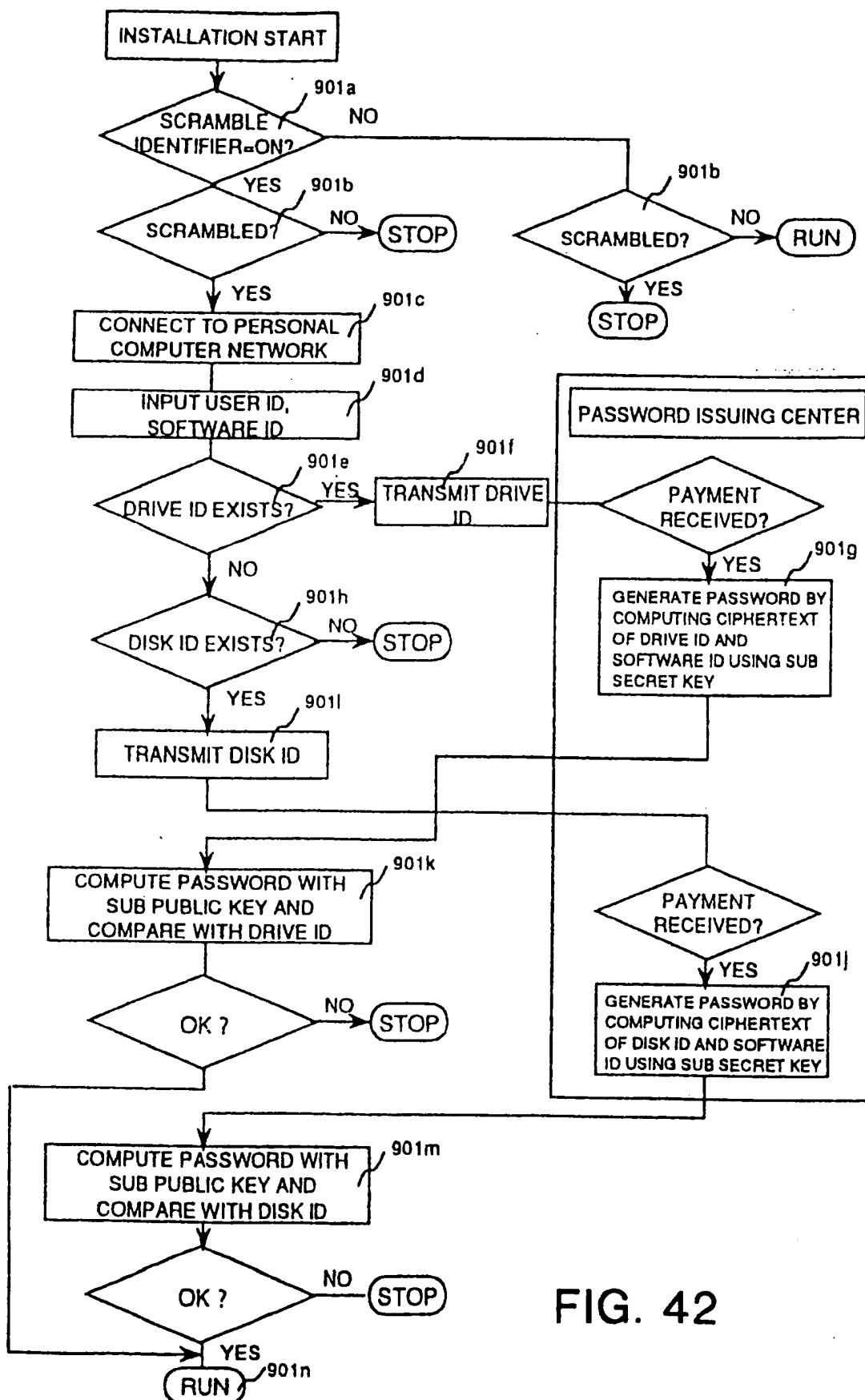


FIG. 42

100112955 12020201